```
> 0 <
0| |0  IntelliGenetics
> 0 <

Quest - Quick User-directed Expression Search Tool
Release 5.4

        -- Outline of search "cys-iss" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
cys (AA) ID  cys AA preliminary pattern
1   followed by
2      c
2      any character except c
2      any character except c
2      any character except c
2      c
2      any character except c from 11 to 12 times
2      c
2      any character except c
2      any character except c
2      any character except c
2      c

Selected data banks and files:

Data bank : Issued_AA , all entries

        -- Output Parameters --

Format Options:                         File Options:
Nucleic acid code matching  Exact       Indirect file        No
Find non-matching hits only No          Sequence or key file No
Report key used             Yes         List of hits         Yes
Note position of hit        Yes         Hit display          Yes
Display full annotations    Yes         Name and annotations Yes
Sequence context            10

        -- Run Parameters --

Run mode                     Batch
Time to start comparison     now
Notify at end of run         No

------
1 match found in sequence:
US-07-626-618A-17 ; Sequence 17, Application US/07626618A
(from "/srch/iaa/SA_COMB.pep")
Sequence 17, Application US/07626618A
Patent No.(5422265)
GENERAL INFORMATION:
APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 542226Sel Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/626,618A
FILING DATE: 7 DEC 1990
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 542226Snan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
Found using 'cys' (new.key)

...

248  PPAPRLPQDPCSPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
     258                                    278

...

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1 match found in sequence:
US-08-086-439C-3 ; Sequence 3, Application US/08086439C
(from "/srch/iaa/SA_COMB.pep")
Sequence 3, Application US/08086439C
Patent No. 5468615
GENERAL INFORMATION:
APPLICANT: Chio, Christopher L.
APPLICANT: Huff, Rita M.
TITLE OF INVENTION: A Synthetic Gene for D4 Dopamine
TITLE OF INVENTION: Receptors
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: The Upjohn Company, Corp. Intellectual
ADDRESSEE: Property Law
STREET: 301 Henrietta Street
CITY: Kalamazoo
STATE: Michigan
COUNTRY: USA
ZIP: 49001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/086,439C
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Darnley Jr., James D.
REGISTRATION NUMBER: 33,673
REFERENCE/DOCKET NUMBER: 4700
TELECOMMUNICATION INFORMATION:
TELEPHONE: 616-385-5210
TELEFAX: 616-385-6897
TELEX: 224401
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
Found using 'cys' (new.key)

...
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NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,051
FILING DATE: 19930429
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5516683nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                                              278

...

3 matches found in sequence:
US-08-056-051-4 ; Sequence 4, Application US/08056051
(from "/srch/iaa/5A_COMB.pep")
Sequence 4, Application US/08056051
Patent No. 5516683
GENERAL INFORMATION:
APPLICANT: Grandy, David K
APPLICANT: Bunzow, James R
APPLICANT: Civelli, Olivier
APPLICANT: Van Tol, Hubert H.-M.
TITLE OF INVENTION: A No. 5516683el Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: iBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,051
FILING DATE: 19930429
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5516683nan, Kevin E
REGISTRATION NUMBER: 35,303

248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                                              278

...

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248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                                              258

1 match found in sequence:
US-08-103-739B-2 ; Sequence 2, Application US/08103739B
(from "/srch/iaa/5A_COMB.pep")
Sequence 2, Application US/08103739B
Patent No. 5478369
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, Marc C.
APPLICANT: BEACH, Larry R.
APPLICANT: HOWARD, John A.
APPLICANT: HUFFMAN, Gary A.
TITLE OF INVENTION: DNA Sequences Mediating Male Fertility
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: U.S.
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/103,739B
FILING DATE: 02-AUG-1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/537,183
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Sweeney, Patricia A.
REGISTRATION NUMBER: 32,733
REFERENCE/DOCKET NUMBER: 0125R2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 248 4897
TELEFAX: (515) 248-4844
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 473 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

420   EDXPXSMLFQCLLICVRLXMSNAVTGCNLVCVWQIGIIMDR
        430   450

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1 match found in sequence:
US-08-056-051-2 ; Sequence 2, Application US/08056051
(from "/srch/iaa/5A_COMB.pep")
Sequence 2, Application US/08056051
Patent No. 5516683
GENERAL INFORMATION:
APPLICANT: Grandy, David K
APPLICANT: Bunzow, James R
APPLICANT: Civelli, Olivier
APPLICANT: Van Tol, Hubert H.-M.
TITLE OF INVENTION: A No. 5516683el Human Dopamine Receptor and Uses

```
          REFERENCE/DOCKET NUMBER: 90,1092-C
        TELECOMMUNICATION INFORMATION:
          TELEPHONE: 312-715-1000
          TELEFAX: 312-715-1234
          TELEX: 910-221-5317
      INFORMATION FOR SEQ ID NO: 4:
      SEQUENCE CHARACTERISTICS:
          LENGTH: 419 amino acids
          TYPE: AMINO ACID
          TOPOLOGY: linear
      MOLECULE TYPE: protein
      Found using 'cys' (new.key)

248    PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
              258       274       278       290       294

308    SNCAPPDAVRAAA
           310

6 matches found in sequence:
US-08-056-051-6 ; Sequence 6, Application US/08056051
(from "/srch/iaa/5A_COMB.pep")
Sequence 6, Application US/08056051
Patent No. 5516683
GENERAL INFORMATION:
    APPLICANT: Grandy, David K
    APPLICANT: Bunzow, James R
    APPLICANT: Civelli, Olivier
    APPLICANT: Van Tol, Hubert H.-M.
    TITLE OF INVENTION: A No. 5516683el Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 6
    CORRESPONDENCE ADDRESS: Allegretti & Witcoff, Ltd
        STREET: 10 South Wacker Drive, Suite 3000
        CITY: Chicago
        STATE: Illinois
        COUNTRY: USA
        ZIP: 60606
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/08/056,051
        FILING DATE: 19930429
        CLASSIFICATION: 435
    ATTORNEY/AGENT INFORMATION:
        NAME: No. 5516683nan, Kevin E
        REGISTRATION NUMBER: 35,303
        REFERENCE/DOCKET NUMBER: 90,1092-C
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: 312-715-1000
        TELEFAX: 312-715-1234
        TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
    LENGTH: 467 amino acids
    TYPE: AMINO ACID
    TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)
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248    PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPPDPCGPCAPPAPGLPQDPCG
                258       274       278       290       294       306

309    PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
                310       322       326       342       356

368    A

1 match found in sequence:
US-08-336-708A-9 ; Sequence 9, Application US/08336708A
(from "/srch/iaa/5A_COMB.pep")
Sequence 9, Application US/08336708A
Patent No. 5521295
GENERAL INFORMATION:
    APPLICANT: Pacifici, Robert E.
    APPLICANT: Thomason, Arlen R.
    APPLICANT: Chang, Ming-Shi
    TITLE OF INVENTION: Hybrid Receptor Molecules
    NUMBER OF SEQUENCES: 10
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Amgen Inc.
        STREET: 1840 Dehavilland Drive
        CITY: Thousand Oaks
        STATE: California
        COUNTRY: USA
        ZIP: 91320-1789
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.30
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/08/336,708A
        FILING DATE:
        CLASSIFICATION: 435
    ATTORNEY/AGENT INFORMATION:
        NAME: Oleski, Nancy
        REFERENCE/DOCKET NUMBER: A-241A
    INFORMATION FOR SEQ ID NO: 9:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 644 amino acids
        TYPE: amino acid
        STRANDEDNESS: single
        TOPOLOGY: linear
    MOLECULE TYPE: protein
Found using 'cys' (new.key)

281    PEGKYSFGATCVKKCPRNYVVTDHGSCVRACGADSYEYEED
                291       311

1 match found in sequence:
US-07-928-611-9 ; Sequence 9, Application US/07928611
(from "/srch/iaa/5A_COMB.pep")
Sequence 9, Application US/0792861
Patent No. 5569601
GENERAL INFORMATION:
    APPLICANT: Van Tol, Hubert H.M.
```

APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601e1 Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/928,611
FILING DATE: 19920810
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5569601nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 187 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

```
                    |--------------------------|
115   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                    125                       145
```

...

3 matches found in sequence:
US-07-928-611-13 ; Sequence 11, Application US/0792861i
(from "/srch/iaa/5A_COMB.pep")
Sequence 11, Application US/0792861i
Patent No.5569601
GENERAL INFORMATION:
APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601e1 Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/928,611
FILING DATE: 19920810
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5569601nan, Kevin E
REGISTRATION NUMBER: 35,303

REFERENCE/DOCKET NUMBER: 90,1092-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 219 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

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                    |----------------------------------------------|
115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
                    125           141          145          157   161
    |--|
175   SNCAPPDAVRAAA
      177
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...

6 matches found in sequence:
US-07-928-611-13 ; Sequence 13, Application US/0792861i
(from "/srch/iaa/5A_COMB.pep")
Sequence 13, Application US/0792861i
Patent No.5569601
GENERAL INFORMATION:
APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601e1 Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/928,611
FILING DATE: 19920810
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5569601nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...
```
                    |------------------|
```

APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601el Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
  ADDRESSEE: Allegretti & Witcoff, Ltd.
  STREET: 10 South Wacker Drive, Suite 3000
  CITY: Chicago
  STATE: Illinois
  COUNTRY: USA
  ZIP: 60606
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/07/928,611
  FILING DATE: 19920810
  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
  NAME: No. 5569601nan, Kevin E
  REGISTRATION NUMBER: 35,303
  REFERENCE/DOCKET NUMBER: 90,1092-B
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 312-715-1000
  TELEFAX: 312-715-1234
  TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
  LENGTH: 419 amino acids
  TYPE: AMINO ACID
  TOPOLOGY: linear
  MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

248   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
                                    274   278   290   294

308   SNCAPPDAVRAAA
       310

...

6 matches found in sequence:
US-07-928-611-22 ; Sequence 22, Application US/0792861:
(from "/srch/iaa/5A_COMB.pep")
Sequence 22, Application US/07928611
Patent No. 5569601
GENERAL INFORMATION:
APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601el Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
  ADDRESSEE: Allegretti & Witcoff, Ltd.
  STREET: 10 South Wacker Drive, Suite 3000
  CITY: Chicago
  STATE: Illinois
  COUNTRY: USA
  ZIP: 60606
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25

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115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPGLPPDPCGPDCAPPAPGLPQDPCG
                            141   145   157   161   173

175   PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
           177   189   193   205   209   225

235   A

...

1 match found in sequence:
US-07-928-611-18 ; Sequence 18, Application US/0792861:
(from "/srch/iaa/5A_COMB.pep")
Sequence 18, Application US/07928611
Patent No. 5569601
GENERAL INFORMATION:
APPLICANT: Van Tol, Hubert H.M.
APPLICANT: Civelli, Olivier
TITLE OF INVENTION: A No. 5569601el Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
  ADDRESSEE: Allegretti & Witcoff, Ltd.
  STREET: 10 South Wacker Drive, Suite 3000
  CITY: Chicago
  STATE: Illinois
  COUNTRY: USA
  ZIP: 60606
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/07/928,611
  FILING DATE: 19920810
  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
  NAME: No. 5569601nan, Kevin E
  REGISTRATION NUMBER: 35,303
  REFERENCE/DOCKET NUMBER: 90,1092-B
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 312-715-1000
  TELEFAX: 312-715-1234
  TELEX: 810-22-8317
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
  LENGTH: 387 amino acids
  TYPE: AMINO ACID
  TOPOLOGY: linear
  MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                      258   278

...

3 matches found in sequence:
US-07-928-611-20 ; Sequence 20, Application US/0792861:
(from "/srch/iaa/5A_COMB.pep")
Sequence 20, Application US/07928611
Patent No. 5569601
GENERAL INFORMATION:

CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/07/928,611
   FILING DATE: 19920810
   CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
   NAME: No. 556960inan, Kevin E
   REGISTRATION NUMBER: 35,303
   REFERENCE/DOCKET NUMBER: 90.1092-B
TELECOMMUNICATION INFORMATION:
   TELEPHONE: 312-715-1000
   TELEFAX: 312-715-1234
   TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
   LENGTH: 467 amino acids
   TYPE: AMINO ACID
   TOPOLOGY: linear
   MOLECULE TYPE: protein
Found using 'cys' (new.key)

 ...

248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGPDCAPPAPGLPQDPCG |-
              258   274   278   290   294   306
                                                                   |-
306.   PDCAPPAPGLPRGPCGPDCCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA |-
              310   322   326   338   342   358
368   A

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1 match found in sequence:
US-08-333-977-17 ; Sequence 17, Application US/08333977
(from "/srch/iaa/5A_COMB.pep")
Sequence 17, Application US/08333977
Patent No. 5594108
GENERAL INFORMATION:
   APPLICANT: Van Tol, Hubert H.M.
   APPLICANT: Civelli, Olivier
   TITLE OF INVENTION: A No. 5594108el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 22
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Allegretti & Witcoff, Ltd.
      STREET: 10 South Wacker Drive, Suite 3000
      CITY: Chicago
      STATE: Illinois
      COUNTRY: USA
      ZIP: 60606
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/333,977
      FILING DATE: 03-NOV-1994
      CLASSIFICATION: 530
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/626,618
      FILING DATE: 7 DEC 1990
   ATTORNEY/AGENT INFORMATION:
      NAME: No. 5594108nan, Kevin E
      REGISTRATION NUMBER: 35,303
      REFERENCE/DOCKET NUMBER: 90,1092
   TELECOMMUNICATION INFORMATION:

         TELEPHONE: 312-715-1000
         TELEFAX: 312-715-1234
         TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
   LENGTH: 387 amino acids
   TYPE: amino acid
   TOPOLOGY: linear
   MOLECULE TYPE: protein
   HYPOTHETICAL: NO
Found using 'cys' (new.key)

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248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
              258   278

 ...

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1 match found in sequence:
US-08-449-153-1 ; Sequence 1, Application US/C8449153
(from "/srch/iaa/5A_COMB.pep")
Sequence 1, Application US/08449153
Patent No. 5686255
GENERAL INFORMATION:
   APPLICANT: Deth, Richard C.
   TITLE OF INVENTION: Compositions and Methods for Diagnosing
   TITLE OF INVENTION: Schizophrenia
   NUMBER OF SEQUENCES: 1
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
      STREET: Two Militia Drive
      CITY: Lexington
      STATE: Massachusetts
      COUNTRY: USA
      ZIP: 02173
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.C, Version #1.30
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/449,153
      FILING DATE: 24-MAY-1995
      CLASSIFICATION: 435
   ATTORNEY/AGENT INFORMATION:
      NAME: Carroll, Alice C.
      REGISTRATION NUMBER: 33,542
      REFERENCE/DOCKET NUMBER: RCD95-02
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: 617-861-6240
      TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
   LENGTH: 387 amino acids
   TYPE: amino acid
   STRANDEDNESS: single
   TOPOLOGY: linear
   MOLECULE TYPE: peptide
Found using 'cys' (new.key)

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248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
              258   278

 ...

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1 match found in sequence:

US-08-434-877-3 ; Sequence 3, Application US/08434877
(from "/srch/iaa/5A_COMB.pep")
Sequence 3, Application US/08434877
Patent No. 5721132
GENERAL INFORMATION:
APPLICANT: Chio, Christopher L.
APPLICANT: Ruff, Rita M.
TITLE OF INVENTION: A Synthetic Gene for D4 Dopamine
TITLE OF INVENTION: Receptors
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: The Upjohn Company, Corp. Intellectual
STREET: 301 Henrietta Street
CITY: Kalamazoo
STATE: Michigan
COUNTRY: USA
ZIP: 49001
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette (DS,HD)
COMPUTER: Gateway 2000, P5-90
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/434,877
FILING DATE: 1 July 1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Darnley Jr., James D.
REGISTRATION NUMBER: 33,673
REFERENCE/DOCKET NUMBER: 4700 DVI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 616-385-5210
TELEFAX: 616-385-6897
TELEX: 224401
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
Found using 'cys' (new.key)

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1 match found in sequence:
US-08-467-083-68 ; Sequence 68, Application US/08467083
(from "/srch/iaa/5A_COMB.pep")
Sequence 68, Application US/08467083
Patent No. 5726023
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SEEDANBERRY
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

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285     PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
              295                    315
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1 match found in sequence:
US-08-449-651-1 ; Sequence 1, Application US/08449651
(from "/srch/iaa/5A_COMB.pep")
Sequence 1, Application US/08449651
Patent No. 5738998
GENERAL INFORMATION:
APPLICANT: Deth, Richard C.
TITLE OF INVENTION: Compositions and Methods for Diagnosing
TITLE OF INVENTION: Schizophrenia
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/449,651
FILING DATE: 24-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Carroll, Alice C.
REGISTRATION NUMBER: 33,542
REFERENCE/DOCKET NUMBER: RCD95-02
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 amino acids
TYPE: amino acid
STRANDEDNESS: single

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        TOPOLOGY: linear
    MOLECULE TYPE: peptide
Found using 'cys' (new.key)

...

248    PPAPRLPQDPGPDCAPPAFGLPPDPCGSNCAPPDAVRAAA
                        278

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2 matches found in sequence:
US-07-955-905A-2 ; Sequence 2, Application US/07955905A
    (from "/srch/iaa/5A_COMB.pep")
Sequence 2, Application US/07955905A
Patent No. 5770433
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
    TITLE OF INVENTION: PRECURSOR
    NUMBER OF SEQUENCES: 28
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/07/955,905A
        FILING DATE: 21-JAN-1993
    CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 2:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 566 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

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...

78     EEELQRQYQOCQGRCQEQQGQREQQCQRKCWEQYKEQERG
                        88                      109

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    CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 566 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
    ORIGINAL SOURCE:
        ORGANISM: Theobroma cacao
    FEATURE:
        NAME/KEY: Protein
        LOCATION: 1..566
        OTHER INFORMATION: /note= "67 kD Precursor Protein"
Found using 'cys' (new.key)

...

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...

78     EEELQRQYQOCQGRCQEQQGQREQQCQRKCWEQYKEQERG
                        88                      109

...

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US-07-955-905A-23 ; Sequence 23, Application US/07955905A
    (from "/srch/iaa/5A_COMB.pep")
Sequence 23, Application US/07955905A
Patent No. 5770433
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
    TITLE OF INVENTION: PRECURSOR
    NUMBER OF SEQUENCES: 28
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/07/955,905A
        FILING DATE: 21-JAN-1993
    CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 23:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 587 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
    ORIGINAL SOURCE:
        ORGANISM: Gossypium hirsutum
    FEATURE:
        NAME/KEY: Protein
        LOCATION: 1..587
        OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
Found using 'cys' (new.key)

...

34     DDDPPKRYEDCRRRCEWDTRGQKEQQCEESCKSQYGEKDQC
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116    QQQSQRQFQECQQHCHQQEQRPERKQQCVAECRERYQENPWR
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126                                147

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1 match found in sequence:
US-07-955-905A-24 ; Sequence 24, Application US/07955905A
(from "/srch/iaa/5A_COMB.pep")
Sequence 24, Application US/07955905A
Patent No. 5770433
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION:  RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
    TITLE OF INVENTION:  PRECURSOR
    NUMBER OF SEQUENCES:  28
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER:  US/07/955,905A
        FILING DATE:  21-JAN-1993
        CLASSIFICATION:  435
INFORMATION FOR SEQ ID NO: 24:
    SEQUENCE CHARACTERISTICS:
        LENGTH:  605 amino acids
        TYPE:  amino acid
        TOPOLOGY:  linear
    MOLECULE TYPE: protein
    ORIGINAL SOURCE:
        ORGANISM: Glycine max
    FEATURE:
        NAME/KEY:  Protein
        LOCATION:  1..605
        OTHER INFORMATION: /note= "Vicilin from G. max"
Found using 'cys' (new.key)

28          WEKENPKHNKCLQSCNSERFSYRNQACHARCNLLKVEKEEC
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1 match found in sequence:
US-08-414-417B-68 ; Sequence 68, Application US/0841441?B
(from "/srch/iaa/5A_COMB.pep")
Sequence 68, Application US/0841441?B
Patent No. 5801005
GENERAL INFORMATION:
    APPLICANT:  Cheever, Martin A.
    APPLICANT:  Disis, Mary L.
    TITLE OF INVENTION:  IMMUNE REACTIVITY TO HER-2/neu PROTEIN
    TITLE OF INVENTION:  FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
    TITLE OF INVENTION:  HER-2/neu ONCOGENE IS ASSOCIATED
    NUMBER OF SEQUENCES:  69
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Seed and Berry LLP
        STREET:  6300 Columbia Center, 701 Fifth Avenue
        CITY:  Seattle
        STATE:  Washington
        COUNTRY:  US
        ZIP:  98104-7092
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER:  US/08/414,417B
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FILING DATE:  31-MAR-1995
        CLASSIFICATION:  424
    ATTORNEY/AGENT INFORMATION:
        NAME: Sharkey, Richard G.
        REGISTRATION NUMBER: 32,629
        REFERENCE/DOCKET NUMBER: 9200-0.448C2
    TELECOMMUNICATION INFORMATION:
        TELEPHONE:  (206) 622-4900
        TELEFAX:  (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
    SEQUENCE CHARACTERISTICS:
        LENGTH:  1255 amino acids
        TYPE:  amino acid
        TOPOLOGY:  linear
Found using 'cys' (new.key)

285         PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
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1 match found in sequence:
US-08-484-438-7 ; Sequence 7, Application US/08484438
(from "/srch/iaa/5B_COMB.pep")
Sequence 7, Application US/08484438
Patent No. 5811098
Patent No. 5811098 5780031
GENERAL INFORMATION:
    APPLICANT:  Plowman, Gregory D.
    APPLICANT:  Culouscou, Jean-Michel
    APPLICANT:  Shoyab, Mohammed
    APPLICANT:  Siegall, Clay B.
    APPLICANT:  Hellstr m, Ingegerd
    APPLICANT:  Hellstr m, Karl E.
    TITLE OF INVENTION:  HER4 HUMAN RECEPTOR TYROSINE KINASE
    NUMBER OF SEQUENCES:  42
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Pennie & Edmonds
        STREET:  1155 Avenue of the Americas
        CITY:  New York
        STATE:  New York
        COUNTRY:  U.S.A.
        ZIP:  10036-2711
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER:  US/08/484,438
        FILING DATE:  07-JUN-1995
        CLASSIFICATION:  530
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER:  08/323,442
        FILING DATE:  14-OCT-1994
        APPLICATION NUMBER:  US 08/150,704
        FILING DATE:  10-NOV-1993
        CLASSIFICATION:  530
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER:  US 07/981,165
        FILING DATE:  24-NOV-1992
        CLASSIFICATION:  530
    ATTORNEY/AGENT INFORMATION:
        NAME: M.srock, S. Leslie
        REGISTRATION NUMBER: 8,872
        REFERENCE/DOCKET NUMBER: 5624-230
    TELECOMMUNICATION INFORMATION:
        TELEPHONE:  (212) 790-9090
        TELEFAX:  (212) 869-8864/9741
```

```
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
   LENGTH: 1210 amino acids
   TYPE: amino acid
   STRANDEDNESS: unknown
   TOPOLOGY: unknown
MOLECULE TYPE: protein
Found using 'cys' (new.key)
...
                       |----------------|
281   PEGKYSFGATCVKKCPRNYVVTDHGSCVRACGADSYEMEED
                       291                     311
...

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1 match found in sequence:
US-08-484-438-8 ; Sequence 8, Application US/08484438
(from "/srch/iaa/SB_COMB.pep")
Sequence 8, Application US/08484438
Patent No. 5811098
Patent No. 5811098 5780031
GENERAL INFORMATION:
   APPLICANT: Plowman, Gregory D.
   APPLICANT: Culouscou, Jean-Michel
   APPLICANT: Shoyab, Mohammed
   APPLICANT: Siegall, Clay B.
   APPLICANT: Hellstr m, Ingegerd
   APPLICANT: Hellstr m, Karl E.
   TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
   NUMBER OF SEQUENCES: 42
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Pennie & Edmonds
      STREET: 1155 Avenue of the Americas
      CITY: New York
      STATE: New York
      COUNTRY: U.S.A.
      ZIP: 10036-2711
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/484,438
      FILING DATE: 07-JUN-1995
      CLASSIFICATION: 530
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US/08/323,442
      FILING DATE: 14-OCT-1994
      APPLICATION NUMBER: US 08/150,704
      FILING DATE: 10-NOV-1993
      CLASSIFICATION: 530
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/981,165
      FILING DATE: 24-NOV-1992
      CLASSIFICATION: 530
   ATTORNEY/AGENT INFORMATION:
      NAME: Misrock, S. Leslie
      REGISTRATION NUMBER: 18,872
      REFERENCE/DOCKET NUMBER: 5624-230
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: (212) 790-9090
      TELEFAX: (212) 869-8864/9741
      TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
   LENGTH: 1255 amino acids
   TYPE: amino acid
   STRANDEDNESS: unknown
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   TOPOLOGY: unknown
MOLECULE TYPE: protein
Found using 'cys' (new.key)
...
                       |--------------------|
285   PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
                       295                       315
...

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1 match found in sequence:
US-08-474-404-2 ; Sequence 2, Application: US/08474404
(from "/srch/iaa/SB_COMB.pep")
Sequence 2, Application US/0847404
Patent No. 584524
GENERAL INFORMATION:
   APPLICANT: ALBERTSEN, Marc C.
   APPLICANT: BEACH, Larry R.
   APPLICANT: HOWARD, John A.
   APPLICANT: HUFFMAN, Gary A.
   TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
   NUMBER OF SEQUENCES: 8
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Pioneer Hi-Bred International, Inc.
      STREET: 700 Capital Square, 400 Locust Street
      CITY: Des Moines
      STATE: Iowa
      COUNTRY: U.S.
      ZIP: 50309
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/474,404
      FILING DATE: 07-JUN-1995
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/103,739
      FILING DATE: 02-AUG-1993
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/537,183
      FILING DATE: 12-JUN-1990
   ATTORNEY/AGENT INFORMATION:
      NAME: Sweeney, Patricia A.
      REGISTRATION NUMBER: 32,733
      REFERENCE/DOCKET NUMBER: 0125R2R3
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: (515) 248 4897
      TELEFAX: (515) 248-4844
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
   LENGTH: 473 amino acids
   TYPE: amino acid
   TOPOLOGY: linear
Found using 'cys' (new.key)
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                       |--------------------|
420   EDXPXSMLFQCLLICVRLXMSNAVTGCNLVCVWQIGIIMDR
                       430                       450
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1 match found in sequence:
US-08-486-348A-68 ; Sequence 68, Application US/08486348A
(from "/srch/iaa/SB_COMB.pep")
Sequence 68, Application US/08486348A
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Patent No. 5846538
GENERAL INFORMATION:
  APPLICANT: Cheever, Martin A.
  APPLICANT: Disis, Mary L.
  TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
  TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
  TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
  NUMBER OF SEQUENCES: 69
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Seed and Berry LLP
    STREET: 6300 Columbia Center, 701 Fifth Avenue
    CITY: Seattle
    STATE: Washington
    COUNTRY: US
    ZIP: 98104-7092
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/486,348A
    FILING DATE: 07-JUN-1995
    CLASSIFICATION: 424
  ATTORNEY/AGENT INFORMATION:
    NAME: Sharkey, Richard G.
    REGISTRATION NUMBER: 32,629
    REFERENCE/DOCKET NUMBER: 920010.448C6
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (206) 622-4900
    TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 1255 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
Found using 'cys' (new.key)

285   PEGRYTFGASCVTACPYNYLSTDVGSCTIVCPLHNQEVTAE
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: match found in sequence:
US-08-485-845-2 ; Sequence 2, Application US/08485845
   (from "/srch/iaa/5B_COMB.pep")
Sequence 2, Application US/08485845
Patent No. 5850014
GENERAL INFORMATION:
  APPLICANT: ALBERTSEN, Marc C.
  APPLICANT: BEACH, Larry R.
  APPLICANT: HOWARD, John A.
  APPLICANT: HUFFMAN, Gary A.
  TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
  NUMBER OF SEQUENCES: 8
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Pioneer Hi-Bred International, Inc.
    STREET: 700 Capital Square, 400 Locust Street
    CITY: Des Moines
    STATE: Iowa
    COUNTRY: U.S.
    ZIP: 50309
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/38/485,845

    FILING DATE: 07-JUN-1995
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 08/103,739
    FILING DATE: 02-AUG-1993
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 07/537,182
    FILING DATE: 12-JUN-1990
  ATTORNEY/AGENT INFORMATION:
    NAME: Sweeney, Patricia A.
    REGISTRATION NUMBER: 32,733
    REFERENCE/DOCKET NUMBER: 0125R2
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (515) 248-4897
    TELEFAX: (515) 248-4844
INFORMATION FOR SEQ ID NO: 2:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 473 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
Found using 'cys' (new.key)

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: match found in sequence:
US-08-482-714-2 ; Sequence 2, Application US/08482714
   (from "/srch/iaa/5B_COMB.pep")
Sequence 2, Application US/08482714
Patent No. 5859341
GENERAL INFORMATION:
  APPLICANT: ALBERTSEN, Marc C.
  APPLICANT: BEACH, Larry R.
  APPLICANT: HOWARD, John A.
  APPLICANT: HUFFMAN, Gary A.
  TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
  NUMBER OF SEQUENCES: 8
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Pioneer Hi-Bred International, Inc.
    STREET: 700 Capital Square, 400 Locust Street
    CITY: Des Moines
    STATE: Iowa
    COUNTRY: U.S.
    ZIP: 50309
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/482,714
    FILING DATE: 07-JUN-1995
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 08/103,739
    FILING DATE: 02-AUG-1993
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 07/537,183
    FILING DATE: 12-JUN-1990
  ATTORNEY/AGENT INFORMATION:
    NAME: Sweeney, Patricia A.
    REGISTRATION NUMBER: 32,733
    REFERENCE/DOCKET NUMBER: 0125R2R2
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (515) 248-4897
    TELEFAX: (515) 248-4844
INFORMATION FOR SEQ ID NO: 2:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 473 amino acids

APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98-04-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,545B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

...

285   PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
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...

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1 match found in sequence:
US-08-356-786-2 ; Sequence 2, Application US/08356786
(from "/srch/iaa/5B_COMB.pep")
Sequence 2, Application US/08356786
Patent No. 5877305
GENERAL INFORMATION:
APPLICANT: Huston, James S.
APPLICANT: Oppermann, Hermann
APPLICANT: Houston, L. L.
APPLICANT: Ring, David B.
TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
TITLE OF INVENTION: Marker
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibeault
STREET: Exchange Place, 53 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/356,786
FILING DATE:
CLASSIFICATION: 424

TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

...

42C   EDXPXSMLFQCLLICVRLXMSNAVTGCNLVCVWQIGIIMDR
                                              430

...

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1 match found in sequence:
US-08-625-101-2 ; Sequence 2, Application US/0862510:
(from "/srch/iaa/5B_COMB.pep")
Sequence 2, Application US/0862510:
Patent No. 5869445
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/625,101
FILING DATE: 01-APR-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

285   PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
                                              315

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1 match found in sequence:
US-08-468-545B-68 ; Sequence 68, Application US/08468545B
(from "/srch/iaa/5B_COMB.pep")
Sequence 68, Application US/08468545B
Patent No. 5876712
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.

PRIOR APPLICATION DATA:
   APPLICATION NUMBER: 07/831,967
   FILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
   NAME: Pitcher, Edmund R.
   REGISTRATION NUMBER: 27,829
   REFERENCE/DOCKET NUMBER: CRP-053
TELECOMMUNICATION INFORMATION:
   TELEPHONE: (617) 248-7000
   TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 2:
   SEQUENCE CHARACTERISTICS:
   LENGTH: 1255 amino acids
   TYPE: amino acid
   TOPOLOGY: linear
   MOLECULE TYPE: protein
Found using 'cys' (new.key)

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285   PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
                                            3:5

...

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1 match found in sequence:
US-08-487-811A-9 ; Sequence 9, Application US/08487811A
   (from "/srch/iaa/5B_COMB.pep")
Sequence 9, Application US/08487811A
Patent No. 5883226
GENERAL INFORMATION:
   APPLICANT: Civelli, Olivier
   APPLICANT: Van Tol, Hubert H.M.
   TITLE OF INVENTION: A No. 5883226el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 24
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
      STREET: 300 South Wacker Drive
      CITY: Chicago
      STATE: IL
      COUNTRY: USA
      ZIP: 60606
COMPUTER READABLE FORM:
   MEDIUM TYPE: Floppy disk
   COMPUTER: IBM PC compatible
   OPERATING SYSTEM: PC-DOS/MS-DOS
   SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/08/487,811A
   FILING DATE: 07-JUN-1995
   CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
   NAME: No. 5883226nan, Kevin E
   REGISTRATION NUMBER: 35,303
   REFERENCE/DOCKET NUMBER: 90,1092-L
TELECOMMUNICATION INFORMATION:
   TELEPHONE: 312-913-0001
   TELEFAX: 312-913-0002
   TELEX:
INFORMATION FOR SEQ ID NO: 9:
   SEQUENCE CHARACTERISTICS:
   LENGTH: 187 amino acids
   TYPE: amino acid
   TOPOLOGY: linear
   MOLECULE TYPE: protein
Found using 'cys' (new.key)

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115   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA

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                                 125   145

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3 matches found in sequence:
US-08-487-811A-11 ; Sequence 11, Application US/08487811A
   (from "/srch/iaa/5B_COMB.pep")
Sequence 11, Application US/08487811A
Patent No. 5883226
GENERAL INFORMATION:
   APPLICANT: Civelli, Olivier
   APPLICANT: Van Tol, Hubert H.M.
   TITLE OF INVENTION: A No. 5883226el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 24
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
      STREET: 300 South Wacker Drive
      CITY: Chicago
      STATE: IL
      COUNTRY: USA
      ZIP: 60606
COMPUTER READABLE FORM:
   MEDIUM TYPE: Floppy disk
   COMPUTER: IBM PC compatible
   OPERATING SYSTEM: PC-DOS/MS-DOS
   SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/08/487,811A
   FILING DATE: 07-JUN-1995
   CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
   NAME: No. 5883226nan, Kevin E
   REGISTRATION NUMBER: 35,303
   REFERENCE/DOCKET NUMBER: 90,1092-L
TELECOMMUNICATION INFORMATION:
   TELEPHONE: 312-913-0001
   TELEFAX: 312-913-0002
   TELEX:
INFORMATION FOR SEQ ID NO: 11:
   SEQUENCE CHARACTERISTICS:
   LENGTH: 219 amino acids
   TYPE: amino acid
   TOPOLOGY: linear
   MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAFAAAPSLPQDPCGPDCCAPPAPGLPPDPCG
                                 125   145   157   161

175   SNCAPPDAVRAAA
       177

...

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6 matches found in sequence:
US-08-487-811A-13 ; Sequence 13, Application US/08487811A
   (from "/srch/iaa/5B_COMB.pep")
Sequence 13, Application US/08487811A
Patent No. 5883226
GENERAL INFORMATION:
   APPLICANT: Civelli, Olivier
   APPLICANT: Van Tol, Hubert H.M.
   TITLE OF INVENTION: A No. 5883226el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 24
   CORRESPONDENCE ADDRESS:

```
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff          APPLICATION NUMBER: US/08/487,811A
STREET: 300 South Wacker Drive                           FILING DATE: 07-JUN-1995
CITY: Chicago                                            CLASSIFICATION: 530
STATE: IL                                                ATTORNEY/AGENT INFORMATION:
COUNTRY: USA                                               NAME: No. 5883226nan, Kevin E
ZIP: 60606                                                 REGISTRATION NUMBER: 35,303
COMPUTER READABLE FORM:                                    REFERENCE/DOCKET NUMBER: 90,1092-L
  MEDIUM TYPE: Floppy disk                               TELECOMMUNICATION INFORMATION:
  COMPUTER: IBM PC compatible                              TELEPHONE: 312-913-0001
  OPERATING SYSTEM: PC-DOS/MS-DOS                          TELEFAX: 312-913-0002
  SOFTWARE: PatentIn Release #1.0, Version #1.25           TELEX:
CURRENT APPLICATION DATA:                               INFORMATION FOR SEQ ID NO: 18:
  APPLICATION NUMBER: US/08/487,811A                     SEQUENCE CHARACTERISTICS:
  FILING DATE: 07-JUN-1995                                 LENGTH: 387 amino acids
  CLASSIFICATION: 530                                      TYPE: amino acid
ATTORNEY/AGENT INFORMATION:                                TOPOLOGY: linear
  NAME: No. 5883226nan, Kevin E                          MOLECULE TYPE: protein
  REGISTRATION NUMBER: 35,303                           Found using 'cys' (new.key)
  REFERENCE/DOCKET NUMBER: 90,1092-L
TELECOMMUNICATION INFORMATION:                           ...
  TELEPHONE: 312-913-0001
  TELEFAX: 312-913-0002                         248      PPAPRLPQDPCGPDCAPPAPGLPPPCGSNCAPPDAVRAAA
  TELEX:                                                 258                                   278
INFORMATION FOR SEQ ID NO: 13:
  SEQUENCE CHARACTERISTICS:                               ...
    LENGTH: 267 amino acids
    TYPE: amino acid                                 3 matches found in sequence:
    TOPOLOGY: linear                                 US-08-487-811A-20 ; Sequence 20, Application US/08487811A
  MOLECULE TYPE: protein                             (from "/srch/iaa/5B_COMB.pep")
Found using 'cys' (new.key)                          Sequence 20, Application US/08487811A
                                                     Patent No. 5883226
  ...                                                GENERAL INFORMATION:
                                                       APPLICANT: Civelli, Olivier
115     PPAPRLPQDPCGPDCAPPAPGLPRGPCGPCCAPAAPGLPPPCGPDCGPPAPGLPQDPCG   APPLICANT: Van Tol, Hubert H.M.
        125          141   145        157    161     173   TITLE OF INVENTION: A No. 5883226el Human Dopamine Receptor and Uses
                                                       NUMBER OF SEQUENCES: 24
                                                       CORRESPONDENCE ADDRESS:
175     PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA   ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
        177     189    193      205     209      225      STREET: 300 South Wacker Drive
                                                         CITY: Chicago
                                                         STATE: IL
235     A                                                COUNTRY: USA
                                                         ZIP: 60606
  ...                                                COMPUTER READABLE FORM:
                                                       MEDIUM TYPE: Floppy disk
: match found in sequence:                             COMPUTER: IBM PC compatible
US-08-487-811A-18 ; Sequence 18, Application US/08487811A   OPERATING SYSTEM: PC-DOS/MS-DOS
(from "/srch/iaa/5B_COMB.pep")                         SOFTWARE: PatentIn Release #1.0, Version #1.25
Sequence 18, Application US/08487811A                CURRENT APPLICATION DATA:
Patent No. 5883226                                     APPLICATION NUMBER: US/08/487,811A
GENERAL INFORMATION:                                   FILING DATE: 07-JUN-1995
  APPLICANT: Civelli, Olivier                          CLASSIFICATION: 530
  APPLICANT: Van Tol, Hubert H.M.                    ATTORNEY/AGENT INFORMATION:
  TITLE OF INVENTION: A No. 5883226el Human Dopamine Receptor and Uses   NAME: No. 5883226nan, Kevin E
  NUMBER OF SEQUENCES: 24                               REGISTRATION NUMBER: 35,303
CORRESPONDENCE ADDRESS:                                 REFERENCE/DOCKET NUMBER: 90,1092-L
  ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff     TELECOMMUNICATION INFORMATION:
  STREET: 300 South Wacker Drive                        TELEPHONE: 312-913-0001
  CITY: Chicago                                         TELEFAX: 312-913-0002
  STATE: IL                                             TELEX:
  COUNTRY: USA                                       INFORMATION FOR SEQ ID NO: 20:
  ZIP: 60606                                           SEQUENCE CHARACTERISTICS:
COMPUTER READABLE FORM:                                  LENGTH: 419 amino acids
  MEDIUM TYPE: Floppy disk                               TYPE: amino acid
  COMPUTER: IBM PC compatible                            TOPOLOGY: linear
  OPERATING SYSTEM: PC-DOS/MS-DOS                      MOLECULE TYPE: protein
  SOFTWARE: PatentIn Release #1.0, Version #1.25     Found using 'cys' (new.key)
CURRENT APPLICATION DATA:
                                                       ...
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cys-iss.res

Tue Oct 28 08:54:12 2003

1 match found in sequence:
US-09-146-283-4 ; Sequence 4, Application US/09146283
(from "/srch/iaa/5B_COMB.pep")
Sequence 4, Application US/09146283
Patent No. 5976546
GENERAL INFORMATION:
APPLICANT: Laus, Reiner
APPLICANT: Ruegg, Curtis L.
APPLICANT: Wu, Hongyi
TITLE OF INVENTION: Immunostimulatory Compositions
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/146,283
FILING DATE: 03-SEPT-1998
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.
REGISTRATION NUMBER: 42,702
REFERENCE/DOCKET NUMBER: 7636-0010.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 782 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
Found using 'cys' (new.key)

...

285   PEGRYTFGASCVTACPYNYLSTDVGSCLVCPLHNQEVTAE
295   315

...

1 match found in sequence:
US-08-475-035-4 ; Sequence 4, Application US/08475035
(from "/srch/iaa/5B_COMB.pep")
Sequence 4, Application US/08475035
Patent No. 5985553
GENERAL INFORMATION:
APPLICANT: KING, C.R.
APPLICANT: KRAUS, MATTHIAS H.
APPLICANT: AARONSON, STUART A.
TITLE OF INVENTION: HUMAN GENE RELATED TO BUT DISTINCT FROM
TITLE OF INVENTION: EGF RECEPTOR GENE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street
CITY: Atlanta
STATE: Georgia
COUNTRY: USA

---

248   PPAPRLPQDPCGPDCGPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
258   274   278   290   294

308   SNCAPPDAVRAAA
310

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6 matches found in sequence:
US-08-487-811A-22 ; Sequence 22, Application US/08487811A
(from "/srch/iaa/5B_COMB.pep")
Sequence 22, Application US/08487811A
Patent No. 5883226
GENERAL INFORMATION:
APPLICANT: Civelli, Olivier
APPLICANT: VanTol, Hubert H.M.
TITLE OF INVENTION: A No. 5883226e1 Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,811A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: No. 5883226nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092-L
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

248   PPAPRLPQDPCGPDCGPCGPDCAPPAPGLPRGPCGPDCAPAAPGLPPDPCGPDCAPAAPGLPPDPCGPDCAPPAPGLPQDPCG
258   274   278   290   294   306

308   PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
310   322   326   338   342   358

358   A

...

ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,035
FILING DATE: 7 Jun 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414.656
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1210 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
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1 match found in sequence:
US-08-422-108-1 ; Sequence 1, Application US/08422108
(from "/srch/iaa/6A.COMB.pep")
Sequence 1, Application US/08422108
Patent No. 6015567
GENERAL INFORMATION:
APPLICANT: Hudziak, Robert M.
APPLICANT: Shepard, H. Michael
APPLICANT: Ullrich, Axel
TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,108
FILING DATE: 14-Apr-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/355460
FILING DATE: 13-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/048346
FILING DATE: 15-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/354319
FILING DATE: 19-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M
REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: 54C232
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-988-
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 624 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
Found using 'cys' (new.key)

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1 match found in sequence:
US-08-466-680B-69 ; Sequence 68, Application US/08466680B
(from "/srch/iaa/6A.COMB.pep")
Sequence 68, Application US/08466680B
Patent No. 6075122
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,680B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

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285    PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
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US-08-579-823A-4 ; Sequence 4, Application US/08579823A
(from "/srch/iaa/6A_COMB.pep")
Sequence 4, Application US/08579823A
Patent No. 6080409
GENERAL INFORMATION:
    APPLICANT: Laus, Reiner
    APPLICANT: Ruegg, Curtis L.
    APPLICANT: Wu, Hongyu
    TITLE OF INVENTION: Immunostimulatory Composition and Method
    NUMBER OF SEQUENCES: 10
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Dehlinger & Associates
        STREET: 350 Cambridge Ave. Suite 250
        CITY: Palo Alto
        STATE: CA
        COUNTRY: USA
        ZIP: 94306
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/08/579,823A
        FILING DATE: 03-DEC-1996
        CLASSIFICATION: 536
    ATTORNEY/AGENT INFORMATION:
        NAME: Judge, Linda R.
        REGISTRATION NUMBER: 42,702
        REFERENCE/DOCKET NUMBER: 7636-0010
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: 650-324-0880
        TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 4:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 782 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
    HYPOTHETICAL: NO
    ORIGINAL SOURCE:
        ORGANISM: homo sapiens
        INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
    Found using 'cys' (new.key)

...

285   PEGRYTFGASCVTACPYNYLSTDVGSCTLVCFLHNQEVTAE
                                             315

...

------
1 match found in sequence:
US-08-833-703-1 ; Sequence 1, Application US/08833703
(from "/srch/iaa/6A_COMB.pep")
Sequence 1, Application US/08833703
Patent No. 6080549
GENERAL INFORMATION:
    APPLICANT: DETH, RICHARD
    TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND
    TITLE OF INVENTION: TREATMENT OF SCHIZOPHRENIA AND RELATED DISORDERS
    NUMBER OF SEQUENCES: 4
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
        STREET: Ten Post Office Square
        CITY: Boston
        STATE: MA
        COUNTRY: USA
        ZIP: 02109
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Diskette

        COMPUTER: IBM Compatible
        OPERATING SYSTEM: DOS
        SOFTWARE: FastSEQ for Windows Version 2.0
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/09/833,703
        FILING DATE: 08-APR-1997
        CLASSIFICATION: 435
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER:
        FILING DATE:
    ATTORNEY/AGENT INFORMATION:
        NAME: Heine, Ph.D., Holliday C
        REGISTRATION NUMBER: 34,346
        REFERENCE/DOCKET NUMBER: NU-431XX
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: 617-542 2290
        TELEFAX: 617-451 0313
        TELEX:
INFORMATION FOR SEQ ID NO: 1:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 387 amino acids
        TYPE: amino acid
        STRANDEDNESS: single
        TOPOLOGY: linear
    Found using 'cys' (new.key)

...

248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPEDAVRAAA
                                              278

...

------
1 match found in sequence:
US-08-475-742-4 ; Sequence 4, Application US/08475742
(from "/srch/iaa/6A_COMB.pep")
Sequence 4, Application US/08475742
Patent No. 6221015
GENERAL INFORMATION:
    APPLICANT: O'Malley, Karen L
    APPLICANT: Todd, Richard D
    TITLE OF INVENTION: Gene Encoding the Rat Dopamine D4 Receptor
    FILE REFERENCE: WU 102 CON DIV
    CURRENT APPLICATION NUMBER: US/08/475,742
    CURRENT FILING DATE: 1995-06-07
    EARLIER APPLICATION NUMBER: US 08/261,293
    EARLIER FILING DATE: 1994-06-16
    EARLIER APPLICATION NUMBER: US 08/004,013
    EARLIER FILING DATE: 1993-01-28
    NUMBER OF SEQ ID NOS: 16
    SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
    LENGTH: 387
    TYPE: PRT
    ORGANISM: Artificial Sequence
    FEATURE:
    NAME/KEY: PEPTIDE
    LOCATION: (1)..(387)
    OTHER INFORMATION: Human D4 Receptor Protein
    Found using 'cys' (new.key)

...

248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPAVRAAA
                                             278

...

------
1 match found in sequence:

US-09-060-694-9 ; Sequence 9, Application US/09060694
(from "/srch/iaa/6A_COMB.pep")
Sequence 9, Application US/09060694
Patent No. 6203998
GENERAL INFORMATION:
  APPLICANT: Civelli, Olivier
  APPLICANT: Van Tol, Hubert H.M.
  TITLE OF INVENTION: A No. 6203998e1 Human Dopamine Receptor and Uses
  NUMBER OF SEQUENCES: 24
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
    STREET: 300 South Wacker Drive
    CITY: Chicago
    STATE: IL
    COUNTRY: USA
    ZIP: 60606
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/060,694
    FILING DATE: 15-APR-1998
    CLASSIFICATION: 530
  ATTORNEY/AGENT INFORMATION:
    NAME: No. 6203998nan, Kevin E
    REGISTRATION NUMBER: 35,303
    REFERENCE/DOCKET NUMBER: 90,1092-MM
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: 312-913-0001
    TELEFAX: 312-913-0002
    TELEX:
INFORMATION FOR SEQ ID NO: 9:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 187 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
  MOLECULE TYPE: protein
Found using 'cys' (new.key)

115   PFAPRLPQPCGPDCAPPAPGLPPDPCGSNCAFPDAVRAAA
       125   145

3 matches found in sequence:
US-09-060-694-11 ; Sequence 11, Application US/09060694
(from "/srch/iaa/6A_COMB.pep")
Sequence 11, Application US/09060694
Patent No. 6203998
GENERAL INFORMATION:
  APPLICANT: Civelli, Olivier
  APPLICANT: Van Tol, Hubert H.M.
  TITLE OF INVENTION: A No. 6203998e1 Human Dopamine Receptor and Uses
  NUMBER OF SEQUENCES: 24
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
    STREET: 300 South Wacker Drive
    CITY: Chicago
    STATE: IL
    COUNTRY: USA
    ZIP: 60606
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/060,694
FILING DATE: 15-APR-1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
  NAME: No. 6203998nan, Kevin E
  REGISTRATION NUMBER: 35,303
  REFERENCE/DOCKET NUMBER: 90,1092-MM
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 312-913-0001
  TELEFAX: 312-913-0002
  TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
  LENGTH: 219 amino acids
  TYPE: amino acid
  TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

115   PFAPRLPQPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
       125   141   145   157   161

175   SNCAFPDAVRAAA
       177

6 matches found in sequence:
US-09-060-694-13 ; Sequence 13, Application US/09060694
(from "/srch/iaa/6A_COMB.pep")
Sequence 13, Application US/09060694
Patent No. 6203998
GENERAL INFORMATION:
  APPLICANT: Civelli, Olivier
  APPLICANT: Van Tol, Hubert H.M.
  TITLE OF INVENTION: A No. 6203998e1 Human Dopamine Receptor and Uses
  NUMBER OF SEQUENCES: 24
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
    STREET: 300 South Wacker Drive
    CITY: Chicago
    STATE: IL
    COUNTRY: USA
    ZIP: 60606
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/060,694
    FILING DATE: 15-APR-1998
    CLASSIFICATION: 530
  ATTORNEY/AGENT INFORMATION:
    NAME: No. 6203998nan, Kevin E
    REGISTRATION NUMBER: 35,303
    REFERENCE/DOCKET NUMBER: 90,1092-MM
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: 312-913-0001
    TELEFAX: 312-913-0002
    TELEX:
INFORMATION FOR SEQ ID NO: 13:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 267 amino acids
    TYPE: amino acid
    TOPOLOGY: linear

MOLECULE TYPE: protein
Found using 'cys' (new.key)

. . .

3 matches found in sequence:
US-09-060-694-20 ; Sequence 20, Application US/09060694
   (from "/srch/iaa/6A_COMB.pep")
Sequence 20, Application US/09060694
Patent No. 6203998
GENERAL INFORMATION:
   APPLICANT: Civelli, Olivier
   APPLICANT: Van Tol, Hubert H.M.
   TITLE OF INVENTION: A No. 6203998el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 24
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
      STREET: 300 South Wacker Drive
      CITY: Chicago
      STATE: IL
      COUNTRY: USA
      ZIP: 60606
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #2.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/060,694
      FILING DATE: 15-APR-1998
      CLASSIFICATION: 530
   ATTORNEY/AGENT INFORMATION:
      NAME: No. 6203998nan, Kevin E
      REGISTRATION NUMBER: 35,303
      REFERENCE/DOCKET NUMBER: 90,1092-MM
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: 312-913-0001
      TELEFAX: 312-913-0002
      TELEX:

INFORMATION FOR SEQ ID NO: 20:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 419 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
   MOLECULE TYPE: protein
Found using 'cys' (new.key)

. . .

                      |--------------------------------|
248   PPAFRLPQDPCGPCAPPAPGLPRGPCGPDCPACAAPSLPQDPCGPGPDCAPPAPGLPPDFCG
                      258   274   278   290   294

           --|
308   SNCAPPDAVRAAA
           310

. . .

6 matches found in sequence:
US-09-060-694-22 ; Sequence 22, Application US/09060694
   (from "/srch/iaa/6A_COMB.pep")
Sequence 22, Application US/09060694
Patent No. 6203998
GENERAL INFORMATION:
   APPLICANT: Civelli, Olivier
   APPLICANT: Van Tol, Hubert H.M.
   TITLE OF INVENTION: A No. 6203998el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 24
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
      STREET: 300 South Wacker Drive
      CITY: Chicago
      STATE: IL
      COUNTRY: USA

                |---------|--------|--------|---------|---------|--
115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCPAPAAPGLPPDPCGPDCAPPAPGLPQDPCG
                125   141   145   157   161   173

           --|---------|
175   PDCAPPAPGLPRGPCGPDCPAPPAPGLPQDPCGPGPDCAPPAPGLPDPCGSNCAPPDAVRAA
           177   189   193   209   225   225

235   A

. . .

1 match found in sequence:
US-09-060-694-18 ; Sequence 18, Application US/09060694
   (from "/srch/iaa/6A_COMB.pep")
Sequence 18, Application US/09060694
Patent No. 6203998
GENERAL INFORMATION:
   APPLICANT: Civelli, Olivier
   APPLICANT: Van Tol, Hubert H.M.
   TITLE OF INVENTION: A No. 6203998el Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 24
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
      STREET: 300 South Wacker Drive
      CITY: Chicago
      STATE: IL
      COUNTRY: USA
      ZIP: 60606
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0. Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/060,694
      FILING DATE: 15-APR-1998
      CLASSIFICATION: 530
   ATTORNEY/AGENT INFORMATION:
      NAME: No. 6203998nan, Kevin E
      REGISTRATION NUMBER: 35,303
      REFERENCE/DOCKET NUMBER: 90,1092-MM
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: 312-913-0001
      TELEFAX: 312-913-0002
      TELEX:

INFORMATION FOR SEQ ID NO: 18:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 387 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
   MOLECULE TYPE: protein
Found using 'cys' (new.key)

              |---------------------------------|
248   PPAPRLPQDPCGPDCAPPAPGLPPDFCGSNCAPPDAVRAAA
              258   278

. . .

ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,694
FILING DATE: 15-APR-1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: No. 620399 8nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092-MM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:

INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

```
248.   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAAPGLPPDPCGPDCAPPAPGLPQDPCG
              |------------|------------|------------|------------|------------|-
              258          274          278          290          294          306

308    PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
              |------------|------------|------------|------------|
              310          322          326          338          342          358

368    A
```

1 match found in sequence:
US-09-344-195-4 ; Sequence 4, Application US/09344195
(from "/srch/iaa/6A COMB.pep")
Sequence 4, Application US/09344195
Patent No. 6216662
GENERAL INFORMATION:
APPLICANT: Laus, Reiner
Ruegg, Curtis L.
Wu, Hongyu
TITLE OF INVENTION: Immunostimulatory Compositions
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/344,195
FILING DATE: 24-Jun-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/146,283
FILING DATE: 03-SEPT-1998
ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.
REGISTRATION NUMBER: 42,792
REFERENCE/DOCKET NUMBER: 7636-0010.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 782 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein: Fig. 8
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
Found using 'cys' (new.key)

```
285    PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
       295                                     315
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1 match found in sequence:
US-09-211-416-2 ; Sequence 2, Application US/09211416
(from "/srch/iaa/6A COMB.pep")
Sequence 2, Application US/09211416
Patent No. 6265640
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, Marc C.
APPLICANT: BEACH, Larry R.
APPLICANT: HOWARD, John A.
APPLICANT: HUFFMAN, Gary A.
TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patricia A. Sweeney
STREET: 1835 Pleasant St.
CITY: West Des Moines
STATE: Iowa
COUNTRY: U.S.
ZIP: 50265-2334
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211,416
FILING DATE: 10-DECEMBER-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/485,845
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/103,739
FILING DATE: 02-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/537,183
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Sweeney, Patricia A.
REGISTRATION NUMBER: 32,733
REFERENCE/DOCKET NUMBER: 0125R2C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 222-0921

TELEFAX: (515) 267-0556
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 473 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

...

420   EDXPXSMLFCCLLICVRLXMSNAVTGCNDVCVWQIGIIMDR
      430   450

...

------
1 match found in sequence:
US-08-718-388-7 ; Sequence 7, Application US/08718388
(from "/srch/iaa/6A_COMB.pep")
Sequence 7, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING IgG FC REGION-BINDING
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PC BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2594 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

1953 NSHYEVCGPPCPASCPSPAPLTTPAVCEGPCVEGCQCDAGF
      1963   1983

...

------
3 matches found in sequence:
US-08-718-388-9 ; Sequence 9, Application US/08718388
(from "/srch/iaa/6A_COMB.pep")
Sequence 9, Application US/08718388
Patent No. 6271362

GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING IgG FC REGION-BINDING
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 5405 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

1953 NSHYEVCGPPCPASCPSPAPLTTPAVCEGPCVEGCQCDAGF
      1963   1983

...

3154 NSHYEVCGPPCPASCPSPAPLTTPAVCEGPCVEGCQCDAGF
      3164   3184

...

4355 NSHYEVCGPPCPASCPSPAPLTTPAVCEGPCVEGCQCDAGF
      4365   4385

...

------
1 match found in sequence:
US-09-059-958-2 ; Sequence 2, Application US/09059958
(from "/srch/iaa/6A_COMB.pep")
Sequence 2, Application US/09059958
Patent No. 6297426
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, Marc C.
APPLICANT: BEACH, Larry R.
APPLICANT: HOWARD, John A.
APPLICANT: HUFFMAN, Gary A.
TITLE OF INVENTION: Nucleotide Sequences Mediating Fertility and Method of Using
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street

CITY: Des Moines
STATE: Iowa
COUNTRY: U.S.
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/059,958
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 38/482,774
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/537,193
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Sweeney, Patricia A.
REGISTRATION NUMBER: 32,733
REFERENCE/DOCKET NUMBER: 0125R2R2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 248-4897
TELEFAX: (515) 248-4844
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 473 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using 'cys' (new.key)

... :

420   EDXPXSMLFQCLLICVRLXMSNAVTGCNLVCTWQIGIIMDR
                                              450

... :

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1 match found in sequence:
US-08-422-734-1 ; Sequence 1, Application US/08422734
(from "/srch/iaa/6B_COMB.pep")
Sequence 1, Application US/08422734
Patent No. 6333169
GENERAL INFORMATION:
APPLICANT: Hudziak, Robert M.
APPLICANT: Shepard, H. Michael
APPLICANT: Ullrich, Axel
TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,734
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/422109
FILING DATE: 14-Apr-1995
APPLICATION NUMBER: 08/355460
FILING DATE: 13-DEC-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/048346
FILING DATE: 15-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/354319
FILING DATE: 19-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 55422D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 624 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
Found using 'cys' (new.key)

... :

264   PEGRVTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
       274   294

... :

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1 match found in sequence:
US-09-199-637A-339 ; Sequence 339, Application US/09199637A
(from "/srch/iaa/6B_COMB.pep")
Sequence 339, Application US/09199637A
Patent No. 6355411
GENERAL INFORMATION:
APPLICANT: Ausubel, Frederick
APPLICANT: Goodman, Howard M.
APPLICANT: Rahme, Laurence G.
APPLICANT: Mahajan-Miklos, Shalina
APPLICANT: Tan, Man-Wah
APPLICANT: Cao, Hui
APPLICANT: Drenkard, Eliana
APPLICANT: Tsongalis, John
TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
TITLE OF INVENTION: SEQUENCES AND USES THEREOF
FILE REFERENCE: 00786/361002
CURRENT APPLICATION NUMBER: US/09/199,637A
CURRENT FILING DATE: 1998-11-25
PRIOR APPLICATION NUMBER: 60/066,517
PRIOR FILING DATE: 1997-11-25
NUMBER OF SEQ ID NOS: 437
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 339
LENGTH: 170
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
Found using 'cys' (new.key)

... :

125   GGRRLGFRRHCFMQCISIGLWRPRLAPCTSSCLSRPRAAWLA
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2 matches found in sequence:
US-09-369-364A-13 ; Sequence 13, Application US/09369364A
(from "/srch/iaa/6B_COMB.pep")
Sequence 13, Application US/09369364A
Patent No. 6391610

GENERAL INFORMATION:
APPLICANT: Apte, Suneel
APPLICANT: Hurskainen, Tiina L.
APPLICANT: Hirohata, Satoshi
TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
FILE REFERENCE: 26473/4007/10-30-00
CURRENT APPLICATION NUMBER: US/09/369,364A
CURRENT FILING DATE: 1999-08-06
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 13
    LENGTH: 1882
    TYPE: PRT
    ORGANISM: Homo sapiens ADAMTS-9
    FEATURE:
    NAME/KEY: MOD_RES
    LOCATION: (468)
    OTHER INFORMATION: Xaa = C
    NAME/KEY: MOD_RES
    LOCATION: (521)
    OTHER INFORMATION: Xaa = Y
Found using 'cys' (new.key)

868   LPQPGHIEPCGTGCDLRWHVASRSECSAQCGLGYRLDIY
                                            898

929   SHPKPSNREKCSGECNTGGWRYSAWTECSKSCDGGTCRRRAI
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2 matches found in sequence:
US-09-369-364A-15 ; Sequence 15, Application US/09369364A
(from "/srch/iaa/6B_COMB.pep")
Sequence 15, Application US/09369364A
Patent No. 6399610
GENERAL INFORMATION:
APPLICANT: Apte, Suneel
APPLICANT: Hurskainen, Tiina L.
APPLICANT: Hirohata, Satoshi
TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
FILE REFERENCE: 26473/4007/10-30-00
CURRENT APPLICATION NUMBER: US/09/369,364A
CURRENT FILING DATE: 1999-08-06
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 15
    LENGTH: 874
    TYPE: PRT
    ORGANISM: Mus musculus ADAMTS-9
Found using 'cys' (new.key)

760   LPQPGPVTEACGTDCDLRWHVASKSECSAQCGLGYRLDIH
                                             790

821   SQPRPSNQEKCSGECSTGGWRYSAWTECSRSCDGGTHRRRAI
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1 match found in sequence:
US-09-570-454-2 ; Sequence 2, Application US/09570454
(from "/srch/iaa/6B_COMB.pep")
Sequence 2, Application US/09570454
Patent No. 6399743
GENERAL INFORMATION:
APPLICANT: Department of Veterans Affairs
TITLE OF INVENTION: Isolation and charaterization of epidermal growth
TITLE OF INVENTION: factor related protein
FILE REFERENCE: 107999.0010C
CURRENT APPLICATION NUMBER: US/09/570,454
CURRENT FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: 60/134,200
PRIOR FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
    LENGTH: 478
    TYPE: PRT
    ORGANISM: Rattus norvegicus
Found using 'cys' (new.key)

281   PEGKYSFGATCVKNCPRNYVVTDHGSCVRACGPDYFVEED
                                            311

1 match found in sequence:
US-09-630-155-2 ; Sequence 2, Application US/09630155
(from "/srch/iaa/6B_COMB.pep")
Sequence 2, Application US/09630155
Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
    ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
    STREET: 1501 Fourth Avenue, 2600 Century Square
    CITY: Seattle
    STATE: Washington
    COUNTRY: U.S.A.
    ZIP: 98101
COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: PC compatible
    OPERATING SYSTEM: Windows95
    SOFTWARE: Word
CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/630,155
    FILING DATE: 16-Jan-2001
    CLASSIFICATION: <unknown>
    REFERENCE/DOCKET NUMBER: 4932-10
ATTORNEY/AGENT INFORMATION:
    NAME: Davison, Barry L.
    REGISTRATION NUMBER: 47,309
    TELEPHONE: 206 628-7621
    TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 2:
    SEQUENCE CHARACTERISTICS:
    LENGTH: 419
    TYPE: amino acid
    STRANDEDNESS: single
    TOPOLOGY: unknown
    MOLECULE TYPE: polypeptide
    SEQUENCE DESCRIPTION: SEQ ID NO: 2:
Found using 'cys' (new.key)

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285  PEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHNQEVTAE
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US-09-149-476-476 : Sequence 476, Application US/09149476
(from "/srch/iaa/6B_CCMB.pep")
Sequence 476, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: PZ002Pi
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
CURRENT APPLICATION NUMBER: PCT/US98/04493
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
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EARLIER APPLICATION NUMBER: 60/047,613
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EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,631
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
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EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,986
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
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cys-iss.res

EARLIER APPLICATION NUMBER: 60/055,724
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/043,161
EARLIER FILING DATE: 1997-03-07
NUMBER OF SEQ ID NOS: 757
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 476
LENGTH: 273
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (181)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (202)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (203)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (204)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (211)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (212)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (214)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (273)
OTHER INFORMATION: Xaa equals stop translation
Found using 'cys' (new.key)

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86   GIDLNRTKLECESACTEAYSQSDEQYACHLGCONQLPFAELR
        |--------------------------|
                                  117
              96

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1 match found in sequence:
US-09-378-074-9 ; Sequence 9, Application US/09378074
(from "/srch/iaa/6B_COMB.pep")
Sequence 9, Application US/09378074
Patent No. 6437114
GENERAL INFORMATION:
APPLICANT: Van To1, Hubert H.M.
         Civelli, Olivier
TITLE OF INVENTION: A No. 6437114e1 Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
   ADDRESSEE: Allegretti & Witcoff, Ltd.
   STREET: 10 South Wacker Drive, Suite 3000
   CITY: Chicago
   STATE: Illinois
   COUNTRY: USA
   ZIP: 60606
COMPUTER READABLE FORM:
   MEDIUM TYPE: Floppy disk
   COMPUTER: IBM PC compatible

EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
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EARLIER APPLICATION NUMBER: 60/057,761
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EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,594
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EARLIER APPLICATION NUMBER: 60/047,614
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EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-10-02
EARLIER APPLICATION NUMBER: 60/051,926
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/052,874
EARLIER FILING DATE: 1997-07-16
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12

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        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/09/378,074
        FILING DATE: 20-Aug-1999
        CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER: 07/928,611
        FILING DATE: <Unknown>
    ATTORNEY/AGENT INFORMATION:
        NAME: No. 6437114nan, Kevin E
        REGISTRATION NUMBER: 35,303
        REFERENCE/DOCKET NUMBER: 90,1092-B
        TELEPHONE: 312-715-1000
        TELEFAX: 312-715-1234
        TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 9:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 187 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
        MOLECULE TYPE: protein
        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
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125  PPAPRLPQDPCGPDCAPPAPGLPPDPCGSSNCAPPDAVRAAA
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3 matches found in sequence:
US-09-378-11 ; Sequence 11, Application US/09378074
    (from "/srch/iaa/6B_COMB.pep")
Sequence 11, Application US/09378074
Patent No. 6437114
    GENERAL INFORMATION:
        APPLICANT: Van Tol, Hubert H.M.
                   Civelli, Olivier
    TITLE OF INVENTION: A No. 6437114e1 Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Allegretti & Witcoff, Ltd.
        STREET: 10 South Wacker Drive, Suite 3000
        CITY: Chicago
        STATE: Illinois
        COUNTRY: USA
        ZIP: 60606
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/09/378,074
        FILING DATE: 20-Aug-1999
        CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER: 07/928,611
        FILING DATE: <Unknown>
    ATTORNEY/AGENT INFORMATION:
        NAME: No. 6437114nan, Kevin E
        REGISTRATION NUMBER: 35,303
        REFERENCE/DOCKET NUMBER: 90,1092-B
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: 312-715-1000
        TELEFAX: 312-715-1234
        TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 11:
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    SEQUENCE CHARACTERISTICS:
        LENGTH: 219 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
        MOLECULE TYPE: protein
        SEQUENCE DESCRIPTION: SEQ ID NO: 11:
Found using 'cys' (new.key)

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115  PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
            125               141         145              157       161

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175  SNCAFPDAVRAAA
        177

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6 matches found in sequence:
US-09-378-074-13 ; Sequence 13, Application US/09378074
    (from "/srch/iaa/6B_COMB.pep")
Sequence 13, Application US/09378074
Patent No. 6437114
    GENERAL INFORMATION:
        APPLICANT: Van Tol, Hubert H.M.
                   Civelli, Olivier
    TITLE OF INVENTION: A No. 6437114e1 Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Allegretti & Witcoff, Ltd.
        STREET: 10 South Wacker Drive, Suite 3000
        CITY: Chicago
        STATE: Illinois
        COUNTRY: USA
        ZIP: 60606
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/09/378,074
        FILING DATE: 20-Aug-1999
        CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER: 07/928,611
        FILING DATE: <Unknown>
    ATTORNEY/AGENT INFORMATION:
        NAME: No. 6437114nan, Kevin E
        REGISTRATION NUMBER: 35,303
        REFERENCE/DOCKET NUMBER: 90,1092-B
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: 312-715-1000
        TELEFAX: 312-715-1234
        TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 13:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 267 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
        MOLECULE TYPE: protein
        SEQUENCE DESCRIPTION: SEQ ID NO: 13:
Found using 'cys' (new.key)

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115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPGLPPDPCGPDCAPPAPGLPQDPCG
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175   PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
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235   A

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1 match found in sequence:
US-09-378-074-18 ; Sequence 18, Application US/09378074
(from "/srch/iaa/6B_COMB.pep")
Sequence 18, Application US/09378074
Patent No. 6437114
  GENERAL INFORMATION:
     APPLICANT: Van Tol, Hubert H.M.
               Civelli, Olivier
     TITLE OF INVENTION: A No. 6437114el Human Dopamine Receptor and Uses
     NUMBER OF SEQUENCES: 22
     CORRESPONDENCE ADDRESS:
        ADDRESSEE: Allegretti & Witcoff, Ltd.
        STREET: 10 South Wacker Drive, Suite 3000
        CITY: Chicago
        STATE: Illinois
        COUNTRY: USA
        ZIP: 60606
  COMPUTER READABLE FORM:
     MEDIUM TYPE: Floppy disk
     COMPUTER: IBM PC compatible
     OPERATING SYSTEM: PC-DOS/MS-DOS
     SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
     APPLICATION NUMBER: US/09/378,074
     FILING DATE: 20-Aug-1999
     CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:
     APPLICATION NUMBER: 07/928,611
     FILING DATE: <Unknown>
  ATTORNEY/AGENT INFORMATION:
     NAME: No. 6437114nar, Kevin E
     REGISTRATION NUMBER: 35,303
     REFERENCE/DOCKET NUMBER: 90,1092-B
  TELECOMMUNICATION INFORMATION:
     TELEPHONE: 312-715-1000
     TELEFAX: 312-715-1234
     TELEX: 810-221-8317
  INFORMATION FOR SEQ ID NO: 18:
     SEQUENCE CHARACTERISTICS:
        LENGTH: 387 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
     MOLECULE TYPE: protein
     SEQUENCE DESCRIPTION: SEQ ID NO: 18:
Found using 'cys' (new.key)
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248   PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
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3 matches found in sequence:
US-09-378-074-20 ; Sequence 20, Application US/09378074
(from "/srch/iaa/6B_COMB.pep")
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Sequence 20, Application US/09378074
Patent No. 6437114
  GENERAL INFORMATION:
     APPLICANT: Van Tol, Hubert H.M.
               Civelli, Olivier
     TITLE OF INVENTION: A No. 6437114el Human Dopamine Receptor and Uses
     NUMBER OF SEQUENCES: 22
     CORRESPONDENCE ADDRESS:
        ADDRESSEE: Allegretti & Witcoff, Ltd.
        STREET: 10 South Wacker Drive, Suite 3000
        CITY: Chicago
        STATE: Illinois
        COUNTRY: USA
        ZIP: 60606
  COMPUTER READABLE FORM:
     MEDIUM TYPE: Floppy disk
     COMPUTER: IBM PC compatible
     OPERATING SYSTEM: PC-DOS/MS-DOS
     SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
     APPLICATION NUMBER: US/09/378,074
     FILING DATE: 20-Aug-1999
     CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:
     APPLICATION NUMBER: 07/928,611
     FILING DATE: <Unknown>
  ATTORNEY/AGENT INFORMATION:
     NAME: No. 6437114nar, Kevin E
     REGISTRATION NUMBER: 35,303
     REFERENCE/DOCKET NUMBER: 90,1092-B
  TELECOMMUNICATION INFORMATION:
     TELEPHONE: 312-715-1000
     TELEFAX: 312-715-1234
     TELEX: 810-221-8317
  INFORMATION FOR SEQ ID NO: 20:
     SEQUENCE CHARACTERISTICS:
        LENGTH: 419 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
     MOLECULE TYPE: protein
     SEQUENCE DESCRIPTION: SEQ ID NO: 20:
Found using 'cys' (new.key)
```

...

248   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPGLPQDPCGPDCAPPAPGLPPDPCG
                       258   274   278   290   294

308   SNCAPPDAVRAAA
                       310

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6 matches found in sequence:
US-09-378-074-22 ; Sequence 22, Application US/09378074
(from "/srch/iaa/6B_COMB.pep")
Sequence 22, Application US/09378074
Patent No. 6437114
  GENERAL INFORMATION:
     APPLICANT: Van Tol, Hubert H.M.
               Civelli, Olivier
     TITLE OF INVENTION: A No. 6437114el Human Dopamine Receptor and Uses
     NUMBER OF SEQUENCES: 22
     CORRESPONDENCE ADDRESS:
        ADDRESSEE: Allegretti & Witcoff, Ltd.
        STREET: 10 South Wacker Drive, Suite 3000
        CITY: Chicago
        STATE: Illinois
```

COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/378,074
    FILING DATE: 20-Aug-1999
    CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
    APPLICATION NUMBER: 07/928,611
    FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
    NAME: NO. 6437114nan, Kevin E
    REGISTRATION NUMBER: 35,303
    REFERENCE/DOCKET NUMBER: 90.1092-B
TELECOMMUNICATION INFORMATION:
    TELEPHONE: 312-715-1000
    TELEFAX: 312-715-1234
    TELEX: 810-221-8317
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:

INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
    LENGTH: 467 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
Found using 'cys' (new.key)

248 PPAPRLPQDPCGPCAPPAPGLPRGPCGPDCAPAAPGLPDPCGPDCAPPAPGLPDPCGPCG
     258   274 278   290 294   306
                      322 326   338 342   358
308 PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
     310
368 A

----
1 match found in sequence:
US-08-261-293-4 ; Sequence 4, Application US/0826/293
(from "/srch/iaa/6B_COMB.pep")
Sequence 4, Application US/08261293
Patent No. 6486310
GENERAL INFORMATION:
    APPLICANT: O'Malley, Karen L.
    APPLICANT: Todd, Richard D.
    TITLE OF INVENTION: Gene Encoding the Rat Dopamine D4
    TITLE OF INVENTION: Receptor
    NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
    ADDRESSEE: Kilpatrick & Cody
    STREET: 1100 Peachtree Street, Suite 2800
    CITY: Atlanta
    STATE: Georgia
    COUNTRY: U.S.
    ZIP: 30309-4530
COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/261,293
    FILING DATE:
    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/08/014,012
    FILING DATE:
ATTORNEY/AGENT INFORMATION:
    NAME: Pabst, Patrea L.
    REGISTRATION NUMBER: 31,284
    REFERENCE/DOCKET NUMBER: WU 102
TELECOMMUNICATION INFORMATION:
    TELEPHONE: (404) 815-6524
    TELEFAX: (404) 815-6555
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
    LENGTH: 387 amino acids
    TYPE: amino acid
    STRANDEDNESS: single
    TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
    ORGANISM: Homo sapiens
FEATURE:
    NAME/KEY: Protein
    LOCATION: 1..387
    OTHER INFORMATION: /note= "Human D4 Receptor Protein"
Found using 'cys' (new.key)

248 PPAPRLPQDPCGPDCAPPAPGLPDPCGSNCAPPDAVRAAA
     258   278

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1 match found in sequence:
US-09-106-872A-4 ; Sequence 4, Application US/09106872A
(from "/srch/iaa/6B COMB.pep"),
Sequence 4, Application US/09106872A
Patent No. 6486311
GENERAL INFORMATION:
    APPLICANT: Burks Jr., A. Wesley
    APPLICANT: Stanley, J. Steven
    APPLICANT: Cockrell, Gael
    APPLICANT: King, Nina E.
    APPLICANT: Sampson, Hugh A.
    APPLICANT: Helm, Ricki M.
    APPLICANT: Bannon, Gary A.
    TITLE OF INVENTION: Peanut Allergens and Methods
    FILE REFERENCE: HS 103 CIP
    CURRENT APPLICATION NUMBER: US/09/106,872A
    CURRENT FILING DATE: 1999-06-29
    PRIOR APPLICATION NUMBER: PCT/US96/15222
    PRIOR FILING DATE: 1996-09-23
    NUMBER OF SEQ ID NOS: 23
    SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
    LENGTH: 626
    TYPE: PRT
    ORGANISM: Arachis hypogaea
FEATURE:
    OTHER INFORMATION: Amino Acids 25-34 are Ara H 1 binding epitope,
    OTHER INFORMATION: peptide 1
    OTHER INFORMATION: Amino Acids 48-57 are Ara H 1 binding epitope,
    OTHER INFORMATION: peptide 2
    OTHER INFORMATION: Amino Acids 65-74 are Ara H 1 binding epitope,
    OTHER INFORMATION: peptide 3

OTHER INFORMATION: Amino Acids 89-98 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 4
OTHER INFORMATION: Amino Acids 97-106 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 5
OTHER INFORMATION: Amino Acids 107-116 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 6
OTHER INFORMATION: Amino Acids 123-132 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 7
OTHER INFORMATION: Amino Acids 134-143 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 8
OTHER INFORMATION: Amino Acids 143-152 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 9
OTHER INFORMATION: Amino Acids 294-303 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 10
OTHER INFORMATION: Amino Acids 311-320 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 11
OTHER INFORMATION: Amino Acids 325-334 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 12
OTHER INFORMATION: Amino Acids 344-353 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 13
OTHER INFORMATION: Amino Acids 393-402 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 14
OTHER INFORMATION: Amino Acids 409-418 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 15
OTHER INFORMATION: Amino Acids 461-470 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 16
OTHER INFORMATION: Amino Acids 498-507 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 17
OTHER INFORMATION: Amino Acids 525-534 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 18
OTHER INFORMATION: Amino acids 539-548 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 19
OTHER INFORMATION: Amino acids 551-560 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 20
OTHER INFORMATION: Amino acids 559-568 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 21
OTHER INFORMATION: Amino acids 578-587 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 22
OTHER INFORMATION: Amino acids 597-606 are Ara H 1 binding epitope,
OTHER INFORMATION: peptide 23
Found using 'cys' (new.key)

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                 |---------------------------|
32       KKTENPCAQRCLQSCQQEPDDLKQKACESRTKLEYDPRCV
                                            42
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1 match found in sequence:
US-09-620-405B-479 ; Sequence 478, Application US/09620405B
(from "/srch/iaa/6B COMB.pep")
Sequence 478, Application US/09620405B
Patent No. 6528054
GENERAL INFORMATION:
APPLICANT: Jiang, Yuqiu
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Susan L.
APPLICANT: Hepler, William T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C8
CURRENT APPLICATION NUMBER: US/09/620,405B
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 495
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 478
LENGTH: 505
TYPE: PRT

ORGANISM: Homo sapien
Found using 'cys' (new.key)

...

```
                     |----------------------------------------|
427      CVSSSRGVVCGDLCVGSGSRPVTGSVCSAPCGNVAVSTGL
         437                                            457
```

...

1 match found in sequence:
US-09-620-405B-485 ; Sequence 485, Application US/09620405B
(from "/srch/iaa/6B COMB.pep")
Sequence 485, Application US/09620405B
Patent No. 6528054
GENERAL INFORMATION:
APPLICANT: Jiang, Yuqiu
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Susan L.
APPLICANT: Hepler, William T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C8
CURRENT APPLICATION NUMBER: US/09/620,405B
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 495
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 485
LENGTH: 505
TYPE: PRT
ORGANISM: Homo sapiens
Found using 'cys' (new.key)

...

```
                     |----------------------------------------|
427      CVSSSRGVVCGDLCVGSGSRPVTGSVCSAPCGNVAVSTGL
         437                                            457
```

...

1 match found in sequence:
US-09-620-405B-487 ; Sequence 487, Application US/09620405B
(from "/srch/iaa/6B COMB.pep")
Sequence 487, Application US/09620405B
Patent No. 6528054
GENERAL INFORMATION:
APPLICANT: Jiang, Yuqiu
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Susan L.
APPLICANT: Hepler, William T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C8
CURRENT APPLICATION NUMBER: US/09/620,405B
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 495
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 487
LENGTH: 235
TYPE: PRT
ORGANISM: Homo sapiens
Found using 'cys' (new.key)

...

157   CVSSSRGGVVCGDJCVSVGSRPVTGSVCSAPCNGNVAVSTGL
           167   187

------
1 match found in sequence:
US-09-527-487-2 ; Sequence 2, Application US/09527487
   (from "/srch/iaa/6B_COMB.pep")
Sequence 2, Application US/09527487
Patent No. 6529060
GENERAL INFORMATION:
   APPLICANT: Nicolette, Charles
   TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
   FILE REFERENCE: 126681309200
   CURRENT APPLICATION NUMBER: US/09/527,487
   CURRENT FILING DATE: 2000-03-16
   NUMBER OF SEQ ID NOS: 9
   SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
   LENGTH: 1255
   TYPE: PRT
   ORGANISM: Homo sapiens
Found using 'cys' (new.key)

. . .

285   PEGRYTFGASCVTACPYNYLSTDVGSSTLVCPLHNQEVTAE
           295   315

------
1 match found in sequence:
US-09-252-991A-17131 ; Sequence 17131, Application US/09252991A
   (from "/srch/iaa/6B_COMB.pep")
Sequence 17131, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
   APPLICANT: Marc J. Rubenfield et al.
   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
   TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
   FILE REFERENCE: 107196.136
   CURRENT APPLICATION NUMBER: US/39/252,991A
   CURRENT FILING DATE: 1999-02-18
   PRIOR APPLICATION NUMBER: US 60/074,788
   PRIOR APPLICATION NUMBER: US 60/094,190
   PRIOR FILING DATE: 1998-02-18
   PRIOR FILING DATE: 1998-07-27
   NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 17131
   LENGTH: 345
   TYPE: PRT
   ORGANISM: Pseudomonas aeruginosa
Found using 'cys' (new.key)

. . .

19   TAPAATWRRCAWFCAMAARRRRRRRYCSIPCCPLRHRPRGS
           29   50

------
1 match found in sequence:
US-09-252-991A-20364 ; Sequence 20364, Application US/09252991A
   (from "/srch/iaa/6B_COMB.pep")
Sequence 20364, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/39/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 20364
   LENGTH: 168
   TYPE: PRT
   ORGANISM: Pseudomonas aeruginosa
Found using 'cys' (new.key)

. . .

136   RSIPGVTIRNCWSNCGSARRSPSPTACRPSCRW
           146   166

------
1 match found in sequence:
US-09-252-991A-22446 ; Sequence 22446, Application US/09252991A
   (from "/srch/iaa/6B_COMB.pep")
Sequence 22446, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
   APPLICANT: Marc J. Rubenfield et al.
   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
   TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
   FILE REFERENCE: 107196.136
   CURRENT APPLICATION NUMBER: US/09/252,991A
   CURRENT FILING DATE: 1999-02-18
   PRIOR APPLICATION NUMBER: US 60/074,788
   PRIOR APPLICATION NUMBER: US 60/094,190
   PRIOR FILING DATE: 1998-02-18
   PRIOR FILING DATE: 1998-07-27
   NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 22446
   LENGTH: 210
   TYPE: PRT
   ORGANISM: Pseudomonas aeruginosa
Found using 'cys' (new.key)

. . .

175   EGATSSAGAACRARGTGRGASARGRCAPCRGRRT
           185   205

------
1 match found in sequence:
US-09-328-352-6431 ; Sequence 6431, Application US/09328352
   (from "/srch/iaa/6B_COMB.pep")
Sequence 6431, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
   APPLICANT: Gary L. Breton et al.
   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
   TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
   FILE REFERENCE: GTC99-03PA
   CURRENT APPLICATION NUMBER: US/09/328,352
   CURRENT FILING DATE: 1999-06-04
   NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 6431
   LENGTH: 137
   TYPE: PRT
   ORGANISM: Acinetobacter baumannii
Found using 'cys' (new.key)

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41        CFECMFACKHCASACLQEEHVHMMRECIKHCLICVETCQLC
                                                 81
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...

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1 match found in sequence:
US-09-867-521-2 ; Sequence 2, Application US/09867521
(from "/srch/iaa/6B_COMB.pep");
Sequence 2, Application US/09867521
Patent No. 6582934
GENERAL INFORMATION:
   APPLICANT: Department of Veterans Affairs
   TITLE OF INVENTION: Isolation and charaterization of epidermal growth
   TITLE OF INVENTION:  factor releted protein
   FILE REFERENCE: 11:828-00103
   CURRENT APPLICATION NUMBER: US/09/867,521
   CURRENT FILING DATE:  2001-05-31
   PRIOR APPLICATION NUMBER: 60/134,200
   PRIOR FILING DATE: 1999-05-14
   PRIOR APPLICATION NUMBER: 09/570,454
   PRIOR FILING DATE: 2000-05-12
   NUMBER OF SEQ ID NOS: 8
   SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
   LENGTH: 478
   TYPE: PRT
   ORGANISM: Rattus norvegicus
Found using 'cys' (new.key)
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281       PEGKYSFGATCVKNCPRNYVVTDHGSCVRACGPDYEVEED
                                                 311
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...

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1 match found in sequence:
US-09-604-287A-478 ; Sequence 478, Application US/09604287A
(from "/srch/iaa/6B_COMB.pep");
Sequence 478, Application US/09604287A
Patent No. 6586572
GENERAL INFORMATION:
   APPLICANT: Jiang, Yuqiu
   APPLICANT: Dillon, Davin C.
   APPLICANT: Mitcham, Jennifer L.
   APPLICANT: Xu, Jiangchun
   APPLICANT: Harlocker, Susan L.
   APPLICANT: Hepler, William T.
   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
   TITLE OF INVENTION:  DIAGNOSIS OF BREAST CANCER
   FILE REFERENCE: 210121.470C7
   CURRENT APPLICATION NUMBER: US/09/604,287A
   CURRENT FILING DATE:  2000-06-22
   NUMBER OF SEQ ID NOS: 489
   SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 478
   LENGTH: 505
   TYPE: PRT
   ORGANISM: Homo sapien
Found using 'cys' (new.key)
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```
427       CVSSSRGGVVCGDLCVSGSRPVTGSVCSAPCNGNVAVSTGL
                                                 457
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1 match found in sequence:
US-09-604-287A-485 ; Sequence 485, Application US/09604287A
(from "/srch/iaa/6B_COMB.pep");
Sequence 485, Application US/09604287A
Patent No. 6586572
GENERAL INFORMATION:
   APPLICANT: Jiang, Yuqiu
   APPLICANT: Dillon, Davin C.
   APPLICANT: Mitcham, Jennifer L.
   APPLICANT: Xu, Jiangchun
   APPLICANT: Harlocker, Susan L.
   APPLICANT: Hepler, William T.
   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
   TITLE OF INVENTION:  DIAGNOSIS OF BREAST CANCER
   FILE REFERENCE: 210121.470C7
   CURRENT APPLICATION NUMBER: US/09/604,287A
   CURRENT FILING DATE:  2000-06-22
   NUMBER OF SEQ ID NOS: 489
   SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 485
   LENGTH: 505
   TYPE: PRT
   ORGANISM: Homo sapiens
Found using 'cys' (new.key)
```

```
427       CVSSSRGGVVCGDLCVSGSRPVTGSVCSAPCNGNVAVSTGL
                                                 457
```

...

```
1 match found in sequence:
US-09-604-287A-487 ; Sequence 487, Application US/09604287A
(from "/srch/iaa/6B_COMB.pep");
Sequence 487, Application US/09604287A
Patent No. 6586572
GENERAL INFORMATION:
   APPLICANT: Jiang, Yuqiu
   APPLICANT: Dillon, Davin C.
   APPLICANT: Mitcham, Jennifer L.
   APPLICANT: Xu, Jiangchun
   APPLICANT: Harlocker, Susan L.
   APPLICANT: Hepler, William T.
   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
   TITLE OF INVENTION:  DIAGNOSIS OF BREAST CANCER
   FILE REFERENCE: 210121.470C7
   CURRENT APPLICATION NUMBER: US/09/604,287A
   CURRENT FILING DATE:  2000-06-22
   NUMBER OF SEQ ID NOS: 489
   SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 487
   LENGTH: 235
   TYPE: PRT
   ORGANISM: Homo sapiens
Found using 'cys' (new.key)
```

```
167       CVSSSRGGVVCGDLCVSGSRPVTGSVCSAPCNGNVAVSTGL
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...

```
1 match found in sequence:
PCT-US93-07370-9 ; Sequence 9, Application PC/TUS9307370
```

(from "/srch/iaa/PCTUS_CCMB.pep")
Sequence 5, Application PC/TUS9307370
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: A Novel Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: PCT/US93/07370
    INFORMATION FOR SEQ ID NO: 9:
        SEQUENCE CHARACTERISTICS:
            LENGTH: 187 amino acids
            TYPE: amino acid
            TOPOLOGY: linear
        MOLECULE TYPE: protein
    Found using 'cys' (new.key)

...

115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPDPCG
                      125   141   145   157   161

...

175   SNCAPPDAVRAAA
            177

...

3 matches found in sequence:
PCT-US93-07370-11 ; Sequence 11, Application PC/TUS9307370
(from "/srch/iaa/PCTUS_COMB.pep")
Sequence 11, Application PC/TUS9307370
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: A Novel Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: PCT/US93/07370
    INFORMATION FOR SEQ ID NO: 11:
        SEQUENCE CHARACTERISTICS:
            LENGTH: 219 amino acids
            TYPE: amino acid
            TOPOLOGY: linear
        MOLECULE TYPE: protein
    Found using 'cys' (new.key)

...

115   PPAPRLPQDPCGPDCAPPAPGLPPDPCGGSNCAPPDAVRAAA
                  125   141   145

...

6 matches found in sequence:
PCT-US93-07370-13 ; Sequence 13, Application PC/TUS9307370
(from "/srch/iaa/PCTUS_COMB.pep")
Sequence 13, Application PC/TUS9307370
GENERAL INFORMATION:

APPLICANT:
TITLE OF INVENTION: A Novel Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 22
COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
    APPLICATION NUMBER: PCT/US93/07370
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
    LENGTH: 267 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

115   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPGLPPDPCGPDCAPPAPGLPDPCG
                      125   141   145   157   161   173

...

175   PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGGSNCAPPDAVRAA
            177   189   193   205   209   225

...

235   A

...

1 match found in sequence:
PCT-US93-07370-18 ; Sequence 18, Application PC/TUS9307370
(from "/srch/iaa/PCTUS_COMB.pep")
Sequence 18, Application PC/TUS9307370
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: A Novel Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: PCT/US93/07370
    INFORMATION FOR SEQ ID NO: 18:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 387 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
    Found using 'cys' (new.key)

...

249   PPAPRLPQDPCGPDCAPPAPGLPPDPCGGSNCAPPDAVRAAA
                      258   278

...

3 matches found in sequence:
PCT-US93-07370-20 ; Sequence 20, Application PC/TUS9307370
(from "/srch/iaa/PCTUS_COMB.pep")
Sequence 20, Application PC/TUS9307370

GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: A Novel Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: PCT/US93/07370
    INFORMATION FOR SEQ ID NO: 20:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 419 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

248   PPAPRLPQPCGPDCAPPAPGLPRGPCGPDCAPAAPSLPQDPCGPDCAPPAPGLPPDPCG
       258   274   278   290   294

       --|
308   SNCAPPDAVRAAA
       310

...

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6 matches found in sequence:
PCT-US93-07370-22 : Sequence 22, Application PC/TUS9307370
(from "/srch/iaa/PCTUS_COMB.pep")
Sequence 22, Application PC/TUS9307370
GENERAL INFORMATION:
    APPLICANT:
    TITLE OF INVENTION: A Novel Human Dopamine Receptor and Uses
    NUMBER OF SEQUENCES: 22
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: PCT/US93/07370
    INFORMATION FOR SEQ ID NO: 22:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 467 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: protein
Found using 'cys' (new.key)

...

248   PPAPRLPQDPCGPDCAPPAPGLPRGPCGPDCAPAAPGLPPDPCGPDCAPPAPGLPQDPCG
       258   274   278   290   294   306

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308   PDCAPPAPGLPRGPCGPDCAPPAPGLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAA
       310   322   326   338   342   358

368   A

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                              -- Search Statistics --

Times: CPU   Total Elapsed
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Number of sequences searched: 328807
Number of sequence hits: 89
Number of separate matches: 173
Number of sequence hits saved: 0

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GenCore version 5.1.6

CM protein - protein search, using sw model

Run on: October 27, 2003, 15:54:41 ; Search time 46.5581 Seconds
(without alignments)
79.130 Million cell updates/sec

Title: US-09-331-631A-39
Perfect score: 54
Sequence: 1 CXXXCXXXXXXXXXXXCXXXC 22

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 629382 seqs, 167460630 residues

Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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6: /cgn2_6/ptodata/1/pubpaa/PCT05_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	54	100.0	22	10	US-09-331-631A-39	Sequence 39, Appl
2	54	100.0	22	12	US-10-147-095-39	Sequence 39, Appl
3	54	100.0	27	15	US-10-097-065-580	Sequence 580, App
4	54	100.0	29	10	US-09-331-631A-33	Sequence 33, Appl
5	54	100.0	29	10	US-09-331-631A-36	Sequence 36, Appl
6	54	100.0	29	12	US-10-147-095-33	Sequence 33, Appl
7	54	100.0	29	12	US-10-147-095-36	Sequence 36, Appl
8	54	100.0	33	12	US-10-252-734-37	Sequence 37, Appl
9	54	100.0	35	12	US-10-174-151-5	Sequence 5, Appli
10	54	100.0	36	12	US-10-321-807-132	Sequence 132, App
11	54	100.0	38	15	US-10-252-340-11	Sequence 11, Appl
12	54	100.0	39	12	US-10-195-730-172	Sequence 172, App
13	54	100.0	42	15	US-10-252-340-15	Sequence 15, Appl
14	54	100.0	43	15	US-10-252-340-13	Sequence 13, Appl
15	54	100.0	44	15	US-10-252-340-12	Sequence 12, Appl
16	54	100.0	47	12	US-10-029-386-33022	Sequence 33022, A
17	54	100.0	49	9	US-09-864-761-34921	Sequence 34921, A
18	54	100.0	58	10	US-09-829-555-3	Sequence 3, Appli
19	54	100.0	59	9	US-09-790-264-67	Sequence 67, Appl
20	54	100.0	59	9	US-09-867-550-1164	Sequence 1164, Ap
21	54	100.0	59	15	US-10-269-353-67	Sequence 67, App.
22	54	100.0	60	9	US-09-790-264-59	Sequence 59, App.
23	54	100.0	60	15	US-10-269-353-59	Sequence 59, Appl
24	54	100.0	61	11	US-09-919-039-195	Sequence 195, App
25	54	100.0	63	10	US-09-950-933A-75	Sequence 75, Appl
26	54	100.0	63	10	US-09-950-933A-76	Sequence 76, Appl
27	54	100.0	66	10	US-09-950-933A-73	Sequence 73, Appl
28	54	100.0	67	12	US-10-174-151-1	Sequence 1, Appli
29	54	100.0	69	22	US-10-174-151-2	Sequence 2, Appli
30	54	100.0	70	11	US-09-866-050A-131	Sequence 131, App
31	54	100.0	71	9	US-09-864-761-40251	Sequence 40251, A
32	54	100.0	71	12	US-10-174-151-3	Sequence 3, Appli
33	54	100.0	71	12	US-10-269-806-97	Sequence 97, Appl
34	54	100.0	71	15	US-10-011-931-15	Sequence 15, Appl
35	54	100.0	71	15	US-10-011-931-17	Sequence 17, Appl
36	54	100.0	72	9	US-C9-823-038A-38	Sequence 38, Appl
37	54	100.0	73	12	US-10-174-151-4	Sequence 4, Appli
38	54	100.0	73	15	US-10-091-572-409	Sequence 409, App
39	54	100.0	74	9	US-C9-790-264-58	Sequence 58, Appl
40	54	100.0	74	15	US-10-269-353-58	Sequence 58, Appl
41	54	100.0	76	9	US-C9-790-264-56	Sequence 56, Appl
42	54	100.0	76	11	US-09-998-802-261	Sequence 261, App
43	54	100.0	76	12	US-10-029-386-31899	Sequence 31899, A
44	54	100.0	76	15	US-10-269-353-56	Sequence 56, Appl
45	54	100.0	77	10	US-09-950-933A-46	Sequence 46, Appl

ALIGNMENTS

RESULT 1
US-09-331-631A-39
; Sequence 39, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/09/331,63:-A
; CURRENT FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AJ PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid
US-09-331-631A-39

Query Match   100.0%; Score 54; DB 10; Length 22;
Best Local Similarity   100.0%; Pred. No. 1.5e+02;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
          |||||||||||||||||||||
Db   1 CXXXCXXXXXXXXXXXCXXXC 22

RESULT 2

US-10-147-095-39
; Sequence 39, Application US/10147095
; Publication No. US20030071274A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/10/147,095
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US/09/331,631A
; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PC 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid
US-10-147-095-39

Query Match   100.0%;   Score 54;   DB 12;   Length 22;
Best Local Similarity   100.0%;   Pred. No. 1.5e+02; 0;
Matches   22;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
      |||||||||||||||||||||
Db   1 CXXXCXXXXXXXXXXCXXXC 22

RESULT 3
US-10-097-065-580
; Sequence 580, Application US/10097065
; Publication No. US20030055236A1
; GENERAL INFORMATION:
; APPLICANT: Moore, Paul A. et al.
; TITLE OF INVENTION: 110 Human Secreted Proteins
; FILE REFERENCE: PZ021P1
; CURRENT APPLICATION NUMBER: US/10/097,065
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: PCT/US98/27059
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: 60/070,923
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,007
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,369
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/068,057
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/068,367
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/068,169
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/068,053
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,064
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,054
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,008

; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/068,365
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 580
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-097-065-580

Query Match   100.0%;   Score 54;   DB 15;   Length 27;
Best Local Similarity   18.2%;   Pred. No. 1.8e-02;
Matches   4;   Conservative   18;   Mismatches   0;   Indels   0;   Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
      |::|||:|||||||:|
Db   4 CPSCCLPSRPGCSREQRCAFSC 25

RESULT 4
US-09-331-631-A-33
; Sequence 33, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/09/331,631A
; CURRENT FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid
US-09-331-63-A-33

Query Match   100.0%;   Score 54;   DB 10;   Length 29;
Best Local Similarity   100.0%;   Pred. No. 2e+02;
Matches   22;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
      ||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXCXXXC 25

RESULT 5
US-09-331-631A-36
; Sequence 36, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/09/331,631A
; CURRENT FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PC 4275

; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 36
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid and the first and last
; OTHER INFORMATION: X are phenylalanine or Tyrosine.
US-09-331-631A-36

Query Match   100.0%; Score 54; DB 10; Length 29;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches   22; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
           ||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXCXXXC 25

RESULT 6
US-10-147-095-33
; Sequence 33, Application US/10/147095
; Publication No. US2003017274A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/10/147,095
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US/09/331,631A
; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid.
US-10-147-095-33

Query Match   100.0%; Score 54; DB 12; Length 29;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches   22; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
           ||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXCXXXC 25

RESULT 7
US-10-147-095-36
; Sequence 36, Application US/10147095
; Publication No.US2003017274A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/10/147,095

; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US/09/331,-631A
; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version. 3.0
; SEQ ID NO 36
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid and the first and last
; OTHER INFORMATION: X are phenylalanine or Tyrosine.
US-10-147-095-36

Query Match   100.0%; Score 54; DB 12; Length 29;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches   22; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
           |||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXXCXXXC 25

RESULT 8
US-10-252-734-37
; Sequence 37, Application US/10252734
; Publication No. US20030176652A1
; GENERAL INFORMATION:
; APPLICANT: MCCRAY, JR., PAUL B.
; APPLICANT: SCHUTTE, BRIAN C.
; APPLICANT: JIA, HONG PENG
; APPLICANT: CASAVANT, THOMAS L.
; TITLE OF INVENTION: HUMAN AND MOUSE b-DEFENSINS, ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: IOWA:041US
; CURRENT APPLICATION NUMBER: US/10/252,734
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/323,991
; PRIOR FILING DATE: 2001-09-21
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 33
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-252-734-37

Query Match   100.0%; Score 54; DB 12; Length 33;
Best Local Similarity 18.2%; Pred. No. 2.2e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 22
           ||:|:|||||||:|||||||
Db   10 CRASCKNEQPYLYCRNCQSCC 31

RESULT 9
US-10-174-151-5
; Sequence 5, Application US/10174151
; Publication No. US20030165514A1
; GENERAL INFORMATION:
; APPLICANT: Spertini, Francois
; TITLE OF INVENTION: NOVEL BEE VENOM POLYPEPTIDES AND METHODS OF USE THEREOF
; FILE REFERENCE: 18519-001
; CURRENT APPLICATION NUMBER: US/10/174,151
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US/09/506,978
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: CYSTEINE
; OTHER INFORMATION: SPACING MOTIF
; FEATURE:
; OTHER INFORMATION: Where any X can be any amino acid.
US-10-174-151-5

Query Match   100.0%;   Score 54; DB 12; Length 35;
Best Local Similarity   95.5%; Pred. No. 2.3e-02;
Matches   21; Conservative   1; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 22
              |||||||||||||||||||||
Db   10 CXXXCXXXXXXXXXXXXCXXXC 31

RESULT 10
US-10-321-807-132
; Sequence 132, Application US/10321807
; Publication No. US20030166148A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Rupong
; APPLICANT: Dang, Hong T.
; APPLICANT: Lowitz, Kevin P.
; TITLE OF INVENTION: No. US20030166148A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: ARENO086
; CURRENT APPLICATION NUMBER: US/10/321,807
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: US/09/714,008
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: PCT/US99/23938
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: 60/166,088
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,099
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,369
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/171,902
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/171,901
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/171,900
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/181,749
; PRIOR FILING DATE: 2000-02-11
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 132
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: No. US20030166148A1e1 Sequence
US-10-321-807-132

Query Match   100.0%;   Score 54; DB 12; Length 36;
Best Local Similarity   18.2%; Pred. No. 2.4e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
              |::|::::::|:::::|::::|
Db   4 CAAGCTTCCATGGCGTGCTGCC 25

RESULT 11
US-10-252-340-11
; Sequence 11, Application US/10252340
; Publication No. US20030077745A1
; GENERAL INFORMATION:
; APPLICANT: Rowley, David R.
; TITLE OF INVENTION: Polynucleotides Encoding Urogenital Sinus Derived
; TITLE OF INVENTION: Growth Inhibitory Factor and Vectors
; FILE REFERENCE: 1373 01209
; CURRENT APPLICATION NUMBER: US/10/252,340
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US/09/335,318
; PRIOR FILING DATE: 1999-06-17
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-252-340-11

Query Match   100.0%;   Score 54; DB 15; Length 36;
Best Local Similarity   16.2%; Pred. No. 2.5e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 22
              |:::|:::::|:::::|:::::|
Db   10 CTQCVSDSECADNLKCCSAGC 31

RESULT 12
US-10-195-730-172
; Sequence 172, Application US/10195730
; Publication No. US20030144492A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et. al
; TITLE OF INVENTION: 101 Human Secreted Proteins
; FILE REFERENCE: PZ017P1
; CURRENT APPLICATION NUMBER: US/10/195,730
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: US/09/281,976
; PRIOR FILING DATE: 1999-03-31
; PRIOR APPLICATION NUMBER: 60/060,837
; PRIOR FILING DATE: 1997-10-02
; PRIOR APPLICATION NUMBER: 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 390
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 172
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (39)
; OTHER INFORMATION: Xaa equals stop translation
US-10-195-730-172

Query Match   100.0%;   Score 54; DB 12; Length 39;
Best Local Similarity   18.2%; Pred. No. 2.6e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 22
              |:||:|::::::|:::|:||::|
Db   6 CFRACEMCSLSGLLLNLCFQSC 27

RESULT 13
US-10-252-340-15
; Sequence 15, Application US/10252340
; Publication No. US20030077745A1

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; GENERAL INFORMATION:
;   APPLICANT: Rowley, David R.
;   TITLE OF INVENTION: Polynucleotides Encoding Urogenital Sinus Derived
;   TITLE OF INVENTION: Growth Inhibitory Factor and Vectors
;   FILE REFERENCE: 1373 C1209
;   CURRENT APPLICATION NUMBER: US/10/252,340
;   CURRENT FILING DATE: 2002-09-23
;   PRIOR APPLICATION NUMBER: US/09/335,318
;   PRIOR FILING DATE: 1999-06-17
;   NUMBER OF SEQ ID NOS: 19
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 15
;   LENGTH: 42
;   TYPE: PRT
;   ORGANISM: Rattus norvegicus
US-10-252-340-15

Query Match       100.0%;  Score 54;  DB 15;  Length 42;
Best Local Similarity   18.2%;  Pred. No. 2.7e+02;
Matches    4;  Conservative  18;  Mismatches  0;  Indels  0;  Gaps  0;

Qy        1  CXXXCXXXXXXXXXXCXXXC 22
             |:::|:::::::::::|::::|
Db       12  CVELCSGDQSCPNIQKCCSNGC 33


RESULT 14
US-10-252-340-13
;   Sequence 13, Application US/10252340
;   Publication No. US20030077745A1
; GENERAL INFORMATION:
;   APPLICANT: Rowley, David R.
;   TITLE OF INVENTION: Polynucleotides Encoding Urogenital Sinus Derived
;   TITLE OF INVENTION: Growth Inhibitory Factor and Vectors
;   FILE REFERENCE: 1373 C1209
;   CURRENT APPLICATION NUMBER: US/10/252,340
;   CURRENT FILING DATE: 2002-09-23
;   PRIOR APPLICATION NUMBER: US/09/335,318
;   PRIOR FILING DATE: 1999-06-17
;   NUMBER OF SEQ ID NOS: 19
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 13
;   LENGTH: 43
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-252-340-13

Query Match       100.0%;  Score 54;  DB 15;  Length 43;
Best Local Similarity   18.2%;  Pred. No. 2.8e+02;
Matches    4;  Conservative  18;  Mismatches  0;  Indels  0;  Gaps  0;

Qy        1  CXXXCXXXXXXXXXXCXXXC 22
             |:::|:::::::::::|::::|
Db       14  CVESCEVDNECSGVKKCCSNGC 35


RESULT 15
US-10-252-340-12
;   Sequence 12, Application US/10252340
;   Publication No. US20030077745A1
; GENERAL INFORMATION:
;   APPLICANT: Rowley, David R.
;   TITLE OF INVENTION: Polynucleotides Encoding Urogenital Sinus Derived
;   TITLE OF INVENTION: Growth Inhibitory Factor and Vectors
;   FILE REFERENCE: 1373 C1209
;   CURRENT APPLICATION NUMBER: US/10/252,340
;   CURRENT FILING DATE: 2002-09-23
;   PRIOR APPLICATION NUMBER: US/09/335,318
;   PRIOR FILING DATE: 1999-06-17
;   NUMBER OF SEQ ID NOS: 19
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 12
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Caretta caretta
US-10-252-340-12

Query Match       100.0%;  Score 54;  DB 15;  Length 44;
Best Local Similarity   18.2%;  Pred. No. 2.9e+02;
Matches    4;  Conservative  18;  Mismatches  0;  Indels  0;  Gaps  0;

Qy        1  CXXXCXXXXXXXXXXCXXXC 22
             |:::|:::::::::::|::::|
Db       10  CLHGCDSDSDCKEGQKCCPDGC 31


Search completed: October 27, 2003, 16:12:13
Job time : 47.5581 secs
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OM protein - protein search, using sw model

                    GenCore version 5.1.6
            Copyright (c) 1993 - 2003 Compugen Ltd.

Run on:     October 27, 2003, 15:54:41 ; Search time 14.8372 Seconds
                                    (without alignments)
                                    62.737 Million cell updates/sec

Title:          US-09-331-631A-39
Perfect score:  54
Sequence:       1 CXXXCXXXXXXXXXXXXXXCXXXC 22

Scoring table:  BLOSUM62DX
                Gapop 10.0 , Gapext 0.5

Searched:       328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters:    328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Issued Patents AA:*
          1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
          2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
          3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
          4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
          5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
          6: /cgn2_6/ptodata/2/iaa/backfiles_.pep:*

     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.

                              SUMMARIES
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Result No.	Score	% Query Match	Length	DB	ID	Description
1	54	100.0	24	3	US-08-810-131A-6	Sequence 6, Appl
2	54	100.0	38	2	US-09-761-248B-11	Sequence 11, App
3	54	100.0	39	1	US-08-036-555B-40	Sequence 40, App
4	54	100.0	39	4	US-08-469-569-40	Sequence 40, App
5	54	100.0	39	4	US-08-390-882A-1	Sequence 1, Appl
6	54	100.0	39	1	US-08-390-882A-2	Sequence 2, Appl
7	54	100.0	39	1	US-08-390-882A-3	Sequence 3, Appl
8	54	100.0	39	3	US-08-249-322A-40	Sequence 40, Appl
9	54	100.0	39	2	US-08-469-526A-40	Sequence 40, Appl
10	54	100.0	39	2	US-08-734-551A-40	Sequence 40, Appl
11	54	100.0	39	2	US-08-469-660-40	Sequence 40, Appl
12	54	100.0	39	2	US-08-735-021-40	Sequence 40, Appl
13	54	100.0	39	3	US-08-734-664A-40	Sequence 40, Appl
14	54	100.0	39	5	PCT-US94-05083C-40	Sequence 40, Appl
15	54	100.0	39	5	PCT-US95-06846A-40	Sequence 40, Appl
16	54	100.0	42	2	US-08-761-248B-15	Sequence 15, App
17	54	100.0	43	2	US-08-761-248B-13	Sequence 13, App
18	54	100.0	44	2	US-08-761-248B-12	Sequence 12, App
19	54	100.0	45	1	US-08-632-691-1	Sequence 1, Appl
20	54	100.0	45	2	US-08-632-691-7	Sequence 7, Appl
21	54	100.0	45	4	US-08-900-230-11	Sequence 11, Appl
22	54	100.0	45	4	US-08-900-230-15	Sequence 15, Appl
23	54	100.0	45	4	US-08-900-230-52	Sequence 52, Appl
24	54	100.0	45	4	US-08-900-230-53	Sequence 53, Appl
25	54	100.0	46	4	US-08-900-230-40	Sequence 40, Appl
26	54	100.0	47	3	US-08-482-085B-91	Sequence 91, Appl
27	54	100.0	57	1	US-07-609-716-56	Sequence 56, Appl

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28  54  100.0   61  2  US-08-785-530-3       Sequence 3, Appli
29  54  100.0   61  2  US-09-123-850-3       Sequence 3, Appli
30  54  100.0   63  4  US-09-252-991A-22358  Sequence 22358, A
31  54  100.0   70  3  US-09-188-930-131     Sequence 131, App
32  54  100.0   70  4  US-09-312-283C-13     Sequence 13, App
33  54  100.0   72  3  US-09-383-586-38      Sequence 38, App
34  54  100.0   76  4  US-09-227-357-261     Sequence 261, Appl
35  54  100.0   92  4  US-09-394-60C-2       Sequence 2, Appli
36  54  100.0   93  4  US-09-663-600A-122    Sequence 122, App
37  54  100.0   93  4  US-09-663-600A-216    Sequence 216, App
38  54  100.0   95  3  US-09-77-249-273      Sequence 273, App
39  54  100.0  100  4  US-09-841-334A-23     Sequence 23, Appl
40  54  100.0  107  3  US-09-328-352-4494    Sequence 4494, Ap
41  54  100.0  127  4  US-09-252-991A-25856  Sequence 25856, A
42  54  100.0  134  4  US-09-252-991A-25718  Sequence 25718, A
43  54  100.0  143  4  US-08-990-823-112     Sequence 112, App
44  54  100.0  143  4  US-09-477-15A-12      Sequence 112, App
45  54  100.0  170  4  US-09-199-637A-339    Sequence 339, App

ALIGNMENTS

RESULT 1
US-08-810-131A-6
; Sequence 6, Application US/088:0131A
; Patent No. 6268194
; GENERAL INFORMATION:
;  APPLICANT: Karin, Michael
;  APPLICANT: DiDonato, Joseph A.
;  APPLICANT: Rothwarf, David M.
;  APPLICANT: Hayakawa, Makio
;  APPLICANT: Zandi, Ebrahim
;  TITLE OF INVENTION: I-kappa-B Kinase and Methods of Using
;  TITLE OF INVENTION: Same
;  NUMBER OF SEQUENCES: 9
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Campbell & Flores LLP
;   STREET: 4370 La Jolla Village Drive, Suite 700
;   CITY: San Diego
;   STATE: California
;   COUNTRY: United States
;   ZIP: 92122
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/810,131:A
;   FILING DATE: 25-FEB-1997
;   CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;   NAME: Campbell, Cathryn A.
;   REGISTRATION NUMBER: 31,815
;   REFERENCE/DOCKET NUMBER: P-UD 2408
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (619) 535-900C
;   TELEFAX: (619) 535-8949
;  INFORMATION FOR SEQ ID NO: 6:
;   SEQUENCE CHARACTERISTICS:
;    LENGTH: 24 amino acids
;    TYPE: amino acid
;    STRANDEDNESS: single
;    TOPOLOGY: linear

US-08-810-131A-6

  Query Match             100.0%;  Score 54; DB 3; Length 24;
  Best Local Similarity   18.2%;  Pred. No. 92;
  Matches    4; Conservative  18; Mismatches  0; Indels  0; Gaps  0;

Qy     1 CXXXCXXXXXXXXXXXXXXCXXXC 22
           |::|:|::::::::::::::::|::|
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Db   2 CAACCAATTGCCTTGAGCTCCC 23

RESULT 2
US-08-761-248B-11
; Sequence 11, Application US/08761:248B
; Patent No. 5958735
; GENERAL INFORMATION:
; APPLICANT: ROWLEY., DAVID R.
; TITLE OF INVENTION: UROGENITAL SINUS DERIVED GROWTH
; TITLE OF INVENTION: FACTOR NUCLEOTIDE AND AMINO ACID SEQUENCES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Jenkens & Gilchrist
;   STREET: 1100 Louisiana, Suite 1800
;   CITY: Houston
;   STATE: TX
;   COUNTRY: USA
;   ZIP: 77002
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: DOS
;   SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/761,248B
;   FILING DATE: 06-DEC-1996
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 60/008,348
;   FILING DATE: 07-DEC-1995
; ATTORNEY/AGENT INFORMATION:
;   NAME: Turley, Charles P
;   REGISTRATION NUMBER: 35,723
; REFERENCE/DOCKET NUMBER: 34012.6
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (713)9513310
;   TELEFAX: (713)9513314
;   TELEX:
; INFORMATION FOR SEQ ID NO: 11:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 38 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: peptide
US-08-761-248B-11

Query Match   100.0%; Score 54; DB 2; Length 38;
Best Local Similarity   18.2%; Pred. No. 1.4e+02; Indels 0; Gaps 0;
Matches   4; Conservative 18; Mismatches 18; Indels 0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 22
             |::|::|:::::|||:|::|:|
Db   10 CTQECVSDSECADNLKCCSAGC 31

RESULT 3
US-08-036-555B-40
; Sequence 40, Application US/08036555B
; Patent No. 5530109
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
; APPLICANT: Chen, Maio Su; Hiles, Ian
; TITLE OF INVENTION: Glial Mitogenic Factors, Their
; TITLE OF INVENTION: Preparation and Use
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York

Db   2 CAACCAATTGCCTTGAGCTCCC 23

CORRESPONDENCE ADDRESS:
;   ZIP: 10022
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/036,555B
;   FILING DATE: 24-MAR-1993
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/965,173
;   FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/940,389
;   FILING DATE: 03-SEP-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/907,138
;   FILING DATE: 30-JUN-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/863,703
;   FILING DATE: 03-APRIL-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: U.K. 91 07566.3
;   FILING DATE: 10-APRIL-1991
; ATTORNEY/AGENT INFORMATION:
;   NAME: Tsai, Christine H.
;   REGISTRATION NUMBER: 34,266
; REFERENCE/DOCKET NUMBER: LJD 5250.4
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 688-9200
;   TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 40:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 39
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear
US-08-036-555B-40

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity   18.2%; Pred. No. 1.4e+02; Indels 0; Gaps 0;
Matches   4; Conservative 18; Mismatches 18; Indels 0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 22
             ::|:::|:::::||||:|:||
Db   13 CACRCAGAAGGTCTCTCCTTC 34

RESULT 4
US-08-469-569-40
; Sequence 40, Application US/08469569
; Patent No. 5606032
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
; APPLICANT: Chen, Maio Su; Hiles, Ian
; TITLE OF INVENTION: Glial Mitogenic Factors, Their
; TITLE OF INVENTION: Preparation and Use
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10022
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,569
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LCD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-569-40

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
         |:::|::::::::::::::::|
Db 13 CACRCAGAAGGTCTTCTCCTTC 34

RESULT 5
US-08-390-882A-1
Sequence 1, Application US/08390882A
Patent No. 5688764
GENERAL INFORMATION:
APPLICANT: Kral, Robert M. Jr.; Krapcho, Karen; Johnson, Janice Venom
TITLE OF INVENTION: Insecticidal Peptides from Spider Venom
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: MADSON & METCALF
STREET: 950 FIRST INTERSTATE BUILDING
STREET: 170 SOUTH MAIN STREET
CITY: SALT LAKE CITY
STATE: UTAH
COUNTRY: USA
ZIP: 84101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,882A
FILING DATE: No. 5688764e assigned
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: L. CRAIG METCALF
REGISTRATION NUMBER: 31,398

REFERENCE/DOCKET NUMBER: 1094.2.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (801) 537-1700
TELEFAX: (801) 537-1799
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 amino acids
TYPE: amino acids
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL:
ANTI-SENSE: no
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: Calisoga sp.
INDIVIDUAL ISOLATE: peptide A
ORGANELLE: Venom glands
US-08-390-882A-1

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
         |:::|::::::::::::::::|
Db 15 CSGNCGTFWTCYIRKDPCSKEC 36

RESULT 6
US-08-390-882A-2
Sequence 2, Application US/08390882A
Patent No. 5688764
GENERAL INFORMATION:
APPLICANT: Kral, Robert M. Jr.; Krapcho, Karen; Johnson, Janice Venom
TITLE OF INVENTION: Insecticidal Peptides from Spider Venom
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: MADSON & METCALF
STREET: 950 FIRST INTERSTATE BUILDING
STREET: 170 SOUTH MAIN STREET
CITY: SALT LAKE CITY
STATE: UTAH
COUNTRY: USA
ZIP: 84101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,882A
FILING DATE: No. 5688764e assigned
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: L. CRAIG METCALF
REGISTRATION NUMBER: 31,398
REFERENCE/DOCKET NUMBER: 1094.2.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (801) 537-1700
TELEFAX: (801) 537-1799
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL:
ANTI-SENSE: no
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: Calisoga sp.

; INDIVIDUAL ISOLATE: peptide B
; ORGANELLE: Venom glands
US-08-390-882A-2

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 CXXXCXXXXXXXXXXXXCXXXC 22
          |::|:|::||||||||:::||:|
Db   15 CSGNCGTFWTCFRKDPCSKEC 36
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RESULT 7
US-08-390-882A-3
; Sequence 3, Application US/08390882A
; Patent No. 5688764
; GENERAL INFORMATION:
; APPLICANT: Kral, Robert M. Jr.; Krapcho, Karen; Johnson, Janice
; TITLE OF INVENTION: Insecticidal Peptides from Spider Venom
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MADSON & METCALF
; STREET: 950 FIRST INTERSTATE BUILDING
; STREET: 170 SOUTH MAIN STREET
; CITY: SALT LAKE CITY
; STATE: UTAH
; COUNTRY: USA
; ZIP: 84101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,882A
; FILING DATE: No. 5688764e assigned
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: L. CRAIG METCALF
; REGISTRATION NUMBER: 3,398
; REFERENCE/DOCKET NUMBER: 1094.2.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (801) 537-1700
; TELEFAX: (801) 537-1799
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL:
; ANTI-SENSE: no
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; ORGANISM: Calisoga sp.
; INDIVIDUAL ISOLATE: peptide C
; ORGANELLE: Venom glands
US-08-390-882A-3

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

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Db   15 CSGSCGIFWTCY.RKDPCSKEC 36
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RESULT 8
US-08-249-322A-40
; Sequence 40, Application US/08249322A
; Patent No. 5716930
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
; APPLICANT: Chen, Maio Su; Hiles, Ian
; TITLE OF INVENTION: Glial Mitogenic Factors, Their
; TITLE OF INVENTION: Preparation and Use
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/249,322A
; FILING DATE: 26-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/036,555
; FILING DATE: 24-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,173
; FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/940,389
; FILING DATE: 03-SEP-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/907,138
; FILING DATE: 30-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/863,703
; FILING DATE: 03-APRIL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.K. 91 07566.3
; FILING DATE: 10-APRIL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsai, Christine H.
; REGISTRATION NUMBER: 34,266
; REFERENCE/DOCKET NUMBER: LUD 250.4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-249-322A-40

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

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Db   13 CACRCAGAAGGTCTTCCCTTC 34
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RESULT 9
US-08-469-526A-40
; Sequence 40, Application US/08469526A
; Patent No. 5792849
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew
; APPLICANT: Stroobant, Paul

APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Marchionni, Mark
APPLICANT: Hiles, Ian
APPLICANT: Chen, Maio Su
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 187
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,526A
FILING DATE: 06 June 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
APPLICATION NUMBER: 07/907,138
FILING DATE: 03-JUN-1992
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: C4585/00200A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-428-0200
TELEFAX: 617-428-7045
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-469-526A-40

Query Match   100.0%; Score 54; DB 1; Length 39;
Best Local Similarity   18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
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Db   13 CACRCAGAAGGTCTTCCCTTC 34

RESULT 10
US-08-734-591A-40
; Sequence 40, Application US/08734591A
; Patent No. 5854220
; GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Hiles, Ian
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mario

TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 187
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: WordPerfect (Version 7.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,591A
FILING DATE: 22-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/470,335
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 03-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/00200P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-734-591A-40

Query Match   100.0%; Score 54; DB 2; Length 39;
Best Local Similarity   18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
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Db   13 CACRCAGAAGGTCTTCCCTTC 34

RESULT 11
US-08-469-660-40
; Sequence 40, Application US/08469660
; Patent No. 587973
; GENERAL INFORMATION:
APPLICANT: Gwynne, David I.; Marchionni, Mark;
APPLICANT: McBurney, Robert N.
; TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION,

TITLE OF INVENTION: THEIR PREPARATION AND USE
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
ZIP: 021-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,660
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/011,396
FILING DATE: 29-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/984,085
FILING DATE: 01-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/951,747
FILING DATE: 25-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/927,337
FILING DATE: 10-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/017004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-660-40

Query Match 100.0%; Score 54; DB 2; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches 4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

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Db  13  CACRCAGAAGGTCTTCCTTC 34
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RESULT 12
US-08-735-021-40
Sequence 40, Application US/08735021B
Patent No. 6194377
GENERAL INFORMATION:
APPLICANT: GOODEARL, ANDREW
APPLICANT: STROOBANT, PAUL
APPLICANT: MINGHETTI, LUISA
APPLICANT: WATERFIELD, MICHAEL
APPLICANT: MARCHIONNI, MARK
APPLICANT: CHEN, MARIO S.
APPLICANT: HILES, IAN
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
FILE REFERENCE: 04585/00200L
CURRENT APPLICATION NUMBER: US/08/735,021B
CURRENT FILING DATE: 1996-10-22
EARLIER APPLICATION NUMBER: 08/472,065
EARLIER FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/036,555

EARLIER FILING DATE: 1993-03-24
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER FILING DATE: 1992-10-23
EARLIER APPLICATION NUMBER: 07/940,389
EARLIER FILING DATE: 1992-09-03
EARLIER APPLICATION NUMBER: 07/907,138
EARLIER FILING DATE: 1992-06-30
EARLIER APPLICATION NUMBER: 07/863,703
EARLIER FILING DATE: 1992-04-03
NUMBER OF SEQ ID NOS: 192
SEQ ID NO 40
LENGTH: 39
TYPE: PRT
ORGANISM: Bos taurus
US-08-735-021-40

Query Match 100.0%; Score 54; DB 3; Length 39;
Best Local Similarity 18.2%; Pred. No. 1.4e+02;
Matches 4; Conservative 18; Mismatches 0; Indels 0; Gaps 0;

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Db  13  CACRCAGAAGGTCTTCCTTC 34
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RESULT 13
US-08-734-664A-40
Sequence 40, Application US/08734664A
Patent No. 6204241
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew
APPLICANT: Stroobant, Paul
APPLICANT: Minghetti, Luisa
APPLICANT: Waterfield, Michael
APPLICANT: Marchionni, Mark
APPLICANT: Chen, Mario
APPLICANT: Hiles, Ian
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
NUMBER OF SEQUENCES: 187
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible Pentium
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,664A
FILING DATE: 22-OCT-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/002GGJ
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-734-664A-40

Query Match   100.0%; Score 54; DB 3; Length 39;
Best Local Similarity 18.2%; Pred No. 1.4e+02;
Matches   4; Conservative 18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
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Db 13 CACRCAGAAGGTCTTCTCCTTC 34

INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid

RESULT 14
PCT-US94-05083C-40
Sequence 40, Application PC/TUS9405083C
GENERAL INFORMATION:
APPLICANT: Robert Sklar, Mark Marchionni;
APPLICANT: David I. Gwynne
TITLE OF INVENTION: METHODS FOR ALTERING
TITLE OF INVENTION: MUSCLE CONDITION
NUMBER OF SEQUENCES: 185
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360
MEDIUM TYPE: kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05083C
FILING DATE: 06-MAY-94
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/209,204
FILING DATE: 08-MAR-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/059,022
FILING DATE: 06-May-93
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/028WO:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: linear
PCT-US94-05083C-40

Query Match   100.0%; Score 54; DB 5; Length 39;
Best Local Similarity 18.2%; Pred No. 1.4e+02;
Matches   4; Conservative 18; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 22
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Db 13 CACRCAGAAGGTCTTCTCCTTC 34

RESULT 15
PCT-US95-C6846A-40
Sequence 40, Application PC/TUS9506846A
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew David; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
APPLICANT: Chen, Maic Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 178
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/C6846A
FILING DATE: 25-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, Norman D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5250.5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 39
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

PCT-US95-06846A-40

Query Match   100.0%; Score 54; DB 5; Length: 39;
Best Local Similarity   18.2%; Pred. No. 1.4e+02;
Matches   4; Conservative   18; Mismatches   0; Indels   0; Gaps   0;

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Db   13 CACRCAGAAGGTCTTCTCCTTC 34

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                  GenCore version 5.1.6
          Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on:          October 27, 2003, 15:54:41 ; Search time 44.4419 seconds
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Perfect score:   53
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Scoring table:   BLOSUM62DX
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Searched:        629382 seqs, 167460630 residues
Total number of hits satisfying chosen parameters:    629382
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Published Applications AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Query Length	DB	ID	Description
1	53	100.0	21	10	US-09-331-631A-38	Sequence 38, Appl
2	53	100.0	21	12	US-10-147-095-38	Sequence 38, Appl
3	53	100.0	28	10	US-09-331-631A-32	Sequence 32, Appl
4	53	100.0	28	10	US-09-331-631A-35	Sequence 35, Appl
5	53	100.0	28	12	US-10-147-095-32	Sequence 32, Appl
6	53	100.0	28	12	US-10-147-095-35	Sequence 35, Appl
7	53	100.0	37	12	US-10-146-984A-2	Sequence 2, Appli
8	53	100.0	37	15	US-10-008-2778-2	Sequence 2, Appli
9	53	100.0	38	9	US-09-847-185-47	Sequence 47, Appl
10	53	100.0	38	15	US-10-224-286-47	Sequence 47, Appl
11	53	100.0	39	12	US-10-029-386-27417	Sequence 27417, A
12	53	100.0	40	14	US-10-124-557-8	Sequence 8, Appli
13	53	100.0	41	14	US-10-124-557-6	Sequence 6, Appli
14	53	100.0	43	12	US-10-063-685-169	Sequence 169, App
15	53	100.0	43	15	US-10-184-644-611	Sequence 611, App
16	53	100.0	43	15	US-10-184-634-611	Sequence 611, App
17	53	100.0	45	8	US-08-450-842-97	Sequence 97, Appl
18	53	100.0	47	8	US-08-450-842-93	Sequence 93, Appl
19	53	100.0	47	8	US-08-450-842-94	Sequence 94, Appl
20	53	100.0	47	8	US-08-450-842-95	Sequence 95, Appl
21	53	100.0	47	8	US-08-450-842-96	Sequence 96, Appl
22	53	100.0	47	12	US-10-029-386-33022	Sequence 33022, A
23	53	100.0	56	11	US-09-948-783-223	Sequence 223, App
24	53	100.0	57	11	US-09-892-377-219	Sequence 219, App
25	53	100.0	57	12	US-10-029-386-28520	Sequence 28520, A
26	53	100.0	58	11	US-09-496-272-60	Sequence 60, Appl
27	53	100.0	61	11	US-09-498-272-61	Sequence 61, Appl
28	53	100.0	62	12	US-10-029-386-34270	Sequence 34270, A
29	53	100.0	70	15	US-10-264-480-25	Sequence 25, Appl
30	53	100.0	70	15	US-10-264-480-26	Sequence 26, Appl
31	53	100.0	71	12	US-10-269-806-38	Sequence 38, Appl
32	53	100.0	71	12	US-10-269-806-82	Sequence 82, Appl
33	53	100.0	71	12	US-10-269-806-122	Sequence 122, App
34	53	100.0	71	12	US-10-269-806-142	Sequence 142, App
35	53	100.0	71	15	US-10-011-931-14	Sequence 14, Appl
36	53	100.0	71	15	US-10-011-931-17	Sequence 17, Appl
37	53	100.0	72	15	US-10-011-931-33	Sequence 33, Appl
38	53	100.0	72	12	US-10-029-386-32016	Sequence 32016, A
39	53	100.0	76	11	US-09-764-872-465	Sequence 465, App
40	53	100.0	76	11	US-09-498-272-29	Sequence 29, Appl
41	53	100.0	84	9	US-09-864-761-42841	Sequence 42841, A
42	53	100.0	87	15	US-10-329-840-8	Sequence 8, Appl
43	53	100.0	87	15	US-10-119-235-7	Sequence 7, Appli
44	53	100.0	94	14	US-10-001-957-135	Sequence 135, App
45	53	100.0	94	15	US-10-078-090-150	Sequence 150, App

ALIGNMENTS

```
RESULT 1
US-09-331-631A-38
; Sequence 38, Application US/0933-631A
; Patent No. US2002016839?A1
; GENERAL INFORMATION:
;  APPLICANT: Manners, John M.
;  APPLICANT: Marcus, John Paul
;  APPLICANT: Goulter, Kenneth C.
;  APPLICANT: Green, Jodie L.
;  TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
;  FILE REFERENCE: CULLN23.001APC
;  CURRENT APPLICATION NUMBER: US/09/331,631A
;  CURRENT FILING DATE: 1999-06-21
;  PRIOR APPLICATION NUMBER: PCT/AU97/00874
;  PRIOR FILING DATE: 1997-12-22
;  PRIOR APPLICATION NUMBER: AU PO 4275
;  PRIOR FILING DATE: 1996-12-20
;  NUMBER OF SEQ ID NOS: 40
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;  LENGTH: 21
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Consensus sequence for antimicrobial peptides
;  OTHER INFORMATION: wherein X is any amino acid.
US-09-331-631A-38

  Query Match        100.0%;  Score 53;  DB 10;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-02;
  Matches   21;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 CXXXCXXXXXXXXXXXXCXXXC 21
          |||||||||||||||||||||
Db      1 CXXXCXXXXXXXXXXXXCXXXC 21

RESULT 2
```

US-10-147-095-38
; Sequence 38, Application US/10147095
; Publication No. US20030171274A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/10/147,095
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US/09/331,631A
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid.
US-10-147-095-38

Query Match   100.0%; Score 53; DB 12; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
             |||||||||||||||||||||
Db   1 CXXXCXXXXXXXXXXCXXXC 21

RESULT 3
US-09-331-631A-32
; Sequence 32, Application US/09331631A
; Patent No. US2002C168392A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/09/331,631A
; CURRENT FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid.
US-09-331-631A-32

Query Match   100.0%; Score 53; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
             |||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXCXXXC 24

RESULT 4
US-09-331-631A-35
; Sequence 35, Application US/09331631A
; Patent No. US20020168392A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/09/331,631A
; CURRENT FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 35
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid and the first and last
; OTHER INFORMATION: X are phenylalanine or Tyrosine.
US-09-331-631A-35

Query Match   100.0%; Score 53; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
             |||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXCXXXC 24

RESULT 5
US-10-147-095-32
; Sequence 32, Application US/10147095
; Publication No. US20030171274A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulter, Kenneth C.
; APPLICANT: Green, Jodie L.
; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
; FILE REFERENCE: CULLN23.001APC
; CURRENT APPLICATION NUMBER: US/10/147,095
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US/09/331,631A
; PRIOR APPLICATION NUMBER: PCT/AU97/00874
; PRIOR FILING DATE: 1997-12-22
; PRIOR APPLICATION NUMBER: AU PO 4275
; PRIOR FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence for antimicrobial peptides
; OTHER INFORMATION: wherein X is any amino acid.
US-10-147-095-32

Query Match   100.0%; Score 53; DB 12; Length 28;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
             |||||||||||||||||||||
Db   4 CXXXCXXXXXXXXXXCXXXC 24

```
Qy      1 CXXXCXXXXXXXXXXCXXXC 2-
          |||:||||||| : |||||
Db      4 CXXXCXXXXXXXXXXCXXXC 24


RESULT 6
US-10-147-095-35
; Sequence 35, Application US/10147095
; Publication No. US20030171274A1
; GENERAL INFORMATION:
;  APPLICANT: Manners, John M.
;  APPLICANT: Marcus, John Paul
;  APPLICANT: Goulter, Kenneth C.
;  APPLICANT: Green, Jodie L.
;  TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
;  FILE REFERENCE: CULLN23.00.APC
;  CURRENT APPLICATION NUMBER: US/10/147,095
;  CURRENT FILING DATE: 2002-05-15
;  PRIOR APPLICATION NUMBER: US/09/331,631A
;  PRIOR FILING DATE: 1999-06-21
;  PRIOR APPLICATION NUMBER: PCT/AU97/00874
;  PRIOR FILING DATE: 1997-12-22
;  PRIOR APPLICATION NUMBER: AU PC 4275
;  PRIOR FILING DATE: 1996-12-20
;  NUMBER OF SEQ ID NOS: 40
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 35
;  LENGTH: 28
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Consensus sequence for antimicrobial peptides
;  OTHER INFORMATION: wherein X is any amino acid and the first and last
;  OTHER INFORMATION: X are phenylalanine or Tyrosine.
US-10-147-095-35

Query Match         100.0%;  Score 53;  DB 12;  Pred. No. 2e+02;
Best Local Similarity 100.0%;
Matches   21;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;
```



```
RESULT 7
US-10-146-984A-2
; Sequence 2, Application US/10146984A
; Publication No. US20030144309A1
; GENERAL INFORMATION:
;  APPLICANT: Vertex Pharmaceuticals Incorporated
;  APPLICANT: Moon, Young Choon
;  TITLE OF INVENTION: Inhibitors of Src and Other Protein Kinases
;  FILE REFERENCE: VPI-01-111
;  CURRENT APPLICATION NUMBER: US/10/146,984A
;  CURRENT FILING DATE: 2002-05-16
;  PRIOR APPLICATION NUMBER: US 60/291,340
;  PRIOR FILING DATE: 2001-05-16
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
;  LENGTH: 37
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-146-984A-2

Query Match         100.0%;  Score 53;  DB 12;  Pred. No. 2.6e+02;  Length 37;
Best Local Similarity 19.0%;
Matches   4;  Conservative  17;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 CXXXCXXXXXXXXXXXCXXXC 21
          |||:||::::::::::|::::|
```

```
Db     12 CATTCTGAATTCATTACTTCC 32


RESULT 8
US-10-008-277B-2
; Sequence 2, Application US/10008277B
; Publication No. US20030100549A1
; GENERAL INFORMATION:
;  APPLICANT: Vertex Pharmaceuticals Incorporated
;  APPLICANT: Salituro, Francesco
;  APPLICANT: Bemis, Guy
;  APPLICANT: Green, Jeremy
;  APPLICANT: Jasna, Fejzo
;  APPLICANT: Xie, Xiaoling
;  TITLE OF INVENTION: Inhibitors of c-Jun N-Terminal Kinases (JNK)
;  FILE REFERENCE: VPI/99-06 CON
;  CURRENT APPLICATION NUMBER: US/10/008,277B
;  CURRENT FILING DATE: 2001-12-21
;  PRIOR APPLICATION NUMBER: PCT/US00/15248
;  PRIOR FILING DATE: 2000-06-02
;  PRIOR APPLICATION NUMBER: 60/237,523
;  PRIOR FILING DATE: 1999-06-02
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
;  LENGTH: 37
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-008-277B-2

Query Match         100.0%;  Score 53;  DB 15;  Pred. No. 2.6e+02;  Length 37;
Best Local Similarity 19.0%;
Matches   4;  Conservative  17;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 CXXXCXXXXXXXXXXXCXXXC 21
          |||:||::::::::::|::::|
Db     12 CATTCTGAATTCATTACTTCC 32


RESULT 9
US-09-847-185-47
; Sequence 47, Application US/09847185
; Patent No. US20020076392A1
; GENERAL INFORMATION:
;  APPLICANT: Soo Hoo, William
;  TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
;                       COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
;                       RESPONSE USING SAME
;  NUMBER OF SEQUENCES: 50
;  CORRESPONDENCE ADDRESS:
;    ADDRESSEE: CAMPBELL & FLORES, LLP
;    STREET: 4370 La Jolla Village Drive, Suite 700
;    CITY: San Diego
;    STATE: California
;    COUNTRY: United States
;    ZIP: 92121
;  COMPUTER READABLE FORM:
;    MEDIUM TYPE: Floppy disk
;    COMPUTER: IBM PC compatible
;    OPERATING SYSTEM: PC-DOS/MS-DOS
;    SOFTWARE: PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;    APPLICATION NUMBER: US/09/847,185
;    FILING DATE: 01-May-2001
;    CLASSIFICATION: <Unknown>
;  PRIOR APPLICATION DATA:
;    APPLICATION NUMBER: 09/201,931
;    FILING DATE: <Unknown>
;  ATTORNEY/AGENT INFORMATION:
;    NAME: Campbell, Cathryn A.
;    REGISTRATION NUMBER: 31,815
;    REFERENCE/DOCKET NUMBER: P-IM 2442
;  TELECOMMUNICATION INFORMATION:
```

```
                    TELEPHONE: (619)535-9001
                    TELEFAX: (619)535-8949
   INFORMATION FOR SEQ ID NO: 47:
                    SEQUENCE CHARACTERISTICS:
                    LENGTH: 38 amino acids
                    TYPE: amino acid
                    TOPOLOGY: linear
                    MOLECULE TYPE: peptide
                    SEQUENCE DESCRIPTION: SEQ ID NO: 47:
   US-09-847-185-47

   Query Match      100.0%;  Score 53;  DB 9;  Length 38;
   Best Local Similarity   19.0%;  Pred. No. 2.6e+02;
   Matches    4;  Conservative   17;  Mismatches   0;  Indels   0;  Gaps   0;

   Qy    1 CXXXCXXXXXXXXXXXCXXXC 21
            | |::::|:::||:::|:::|
   Db   12 CTAGCACCCACCCGCTCACCC 32


   RESULT 10
   US-10-224-286-47
   ; Sequence 47, Application US/10224286
   ; Publication No US20030108517A1
   ; GENERAL INFORMATION:
   ;   APPLICANT: Soo Hoo, William
   ;   TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
   ;                       COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
   ;                       RESPONSE USING SAME
   ;   NUMBER OF SEQUENCES: 50
   ;   CORRESPONDENCE ADDRESS:
   ;     ADDRESSEE: CAMPBELL & FLORES, LLP
   ;     STREET: 4370 La Jolla Village Drive, Suite 700
   ;     CITY: San Diego
   ;     STATE: California
   ;     COUNTRY: United States
   ;     ZIP: 92121
   ;   COMPUTER READABLE FORM:
   ;     MEDIUM TYPE: Floppy disk
   ;     COMPUTER: IBM PC compatible
   ;     OPERATING SYSTEM: PC-DOS/MS-DOS
   ;     SOFTWARE: PatentIn Release #1.0, Version #1.25
   ;   CURRENT APPLICATION DATA:
   ;     APPLICATION NUMBER: US/10/224,286
   ;     FILING DATE: 19-Aug-2002
   ;     CLASSIFICATION: <Unknown>
   ;   PRIOR APPLICATION DATA:
   ;     APPLICATION NUMBER: US/08/902,516
   ;     FILING DATE: 29-JUL-1997
   ;   ATTORNEY/AGENT INFORMATION:
   ;     NAME: Campbell, Cathryn A.
   ;     REGISTRATION NUMBER: 31,815
   ;     REFERENCE/DOCKET NUMBER: P-IM 2442
   ;   TELECOMMUNICATION INFORMATION:
   ;     TELEPHONE: (619)535-9001
   ;     TELEFAX: (619)535-8949
   ; INFORMATION FOR SEQ ID NO: 47:
   ;     SEQUENCE CHARACTERISTICS:
   ;     LENGTH: 38 amino acids
   ;     TYPE: amino acid
   ;     TOPOLOGY: linear
   ;     MOLECULE TYPE: peptide
   ;     SEQUENCE DESCRIPTION: SEQ ID NO: 47:
   US-10-224-286-47

   Query Match      100.0%;  Score 53;  DB 15;  Length 38;
   Best Local Similarity   19.0%;  Pred. No. 2.6e+02;
   Matches    4;  Conservative   17;  Mismatches   0;  Indels   0;  Gaps   0;

   Qy    1 CXXXCXXXXXXXXXXXCXXXC 21
            | |::::|:::||:::|:::|
   Db   12 CTAGCACCCACCCGCTCACCC 32
```

```
   RESULT 11
   US-10-029-386-27417
   ; Sequence 27417, Application US/10029386
   ; Publication No. US20030194704A1
   ; GENERAL INFORMATION:
   ;   APPLICANT: Penn, Sharron G.
   ;   APPLICANT: Rank, David R.
   ;   APPLICANT: Hanzel, David K.
   ;   TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
   ;   TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
   ;   FILE REFERENCE: AEOMICA-X-2
   ;   CURRENT APPLICATION NUMBER: US/10/029,386
   ;   CURRENT FILING DATE: 2001-12-20
   ;   NUMBER OF SEQ ID NOS: 34288
   ;   SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
   ; SEQ ID NO 27417
   ;   LENGTH: 39
   ;   TYPE: PRT
   ;   ORGANISM: Homo sapiens
   ;   FEATURE:
   ;   OTHER INFORMATION: MAP TO AL133553.2
   ;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
   ;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
   ;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.94
   ;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.2
   ;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
   ;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8
   ;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
   ;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.6
   ;   OTHER INFORMATION: SWISSPROT HIT: P21128, EVALUE 6.00e-39
   US-10-029-386-27417

   Query Match      100.0%;  Score 53;  DB 12;  Length 39;
   Best Local Similarity   19.0%;  Pred. No. 2.7e+02;
   Matches    4;  Conservative   17;  Mismatches   0;  Indels   0;  Gaps   0;

   Qy    1 CXXXCXXXXXXXXXXXCXXXC 21
            |:::|:::::|:::||:::|:|
   Db    3 CKGRCFESFERGRECDCDAQC 23


   RESULT 12
   US-10-124-557-8
   ; Sequence 8, Application US/10124557
   ; Publication No. US20020137894A1
   ; GENERAL INFORMATION:
   ;   APPLICANT: Turner, Katherine
   ;            Clark, Stephen C.
   ;            Jacobs, Kenneth
   ;            Hewick, Rodney M.
   ;            Gesner, Thomas G.
   ;   TITLE OF INVENTION: Megakaryocyte Stimulating Factors
   ;   NUMBER OF SEQUENCES: 143
   ;   CORRESPONDENCE ADDRESS:
   ;     ADDRESSEE: Genetics Institute, Inc.
   ;     STREET: 87 CambridgePark Drive
   ;     CITY: Cambridge
   ;     STATE: Massachusetts
   ;     COUNTRY: U.S.A.
   ;     ZIP: 02140
   ;   COMPUTER READABLE FORM:
   ;     MEDIUM TYPE: Floppy disk
   ;     COMPUTER: IBM PC compatible
   ;     OPERATING SYSTEM: PC-DOS/MS-DOS
   ;     SOFTWARE: PatentIn Release #1.0, Version #1.25
   ;   CURRENT APPLICATION DATA:
   ;     APPLICATION NUMBER: US/10/124,557
   ;     FILING DATE: 16-Apr-2002
   ;     CLASSIFICATION: <Unknown>
   ;   PRIOR APPLICATION DATA:
   ;     APPLICATION NUMBER: US 07/643,502
   ;     FILING DATE: 18-JAN-1991
```

APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: GI 5190
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
TELEFAX: (617)876-5851
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-124-557-8

Query Match   100.0%; Score 53; DB 14; Length 40;
Best Local Similarity 19.0%; Pred. No. 2.8e+02;
Matches   4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
         |::|:::::::::::::|:::|
Db   4 CKGRCPESFERGRECCDDAQC 24

RESULT 13
US-10-124-557-6
Sequence 6, Application US/10124557
Publication No. US20020137894A1
GENERAL INFORMATION:
APPLICANT: Turner, Katherine
         Clark, Stephen C.
         Jacobs, Kenneth
         Hewick, Rodney M.
         Gesner, Thomas G.
TITLE OF INVENTION: Megakaryocyte Stimulating Factors
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/124,557
FILING DATE: 16-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,502
FILING DATE: 18-JAN-1991
APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: GI 5190
TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)876-1170
TELEFAX: (617)876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-124-557-6

Query Match   100.0%; Score 53; DB 14; Length 41;
Best Local Similarity 19.0%; Pred. No. 2.8e+02;
Matches   4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
         |::|:::::::::::::|:::|
Db   5 CAGRCGEGYSRDATCKCDYNC 25

RESULT 14
US-10-063-685-169
Sequence 169, Application US/10063685
Publication No. US20030180909A1
GENERAL INFORMATION:
APPLICANT: Eaton,Dan L.
APPLICANT: Filvaroff,Ellen
APPLICANT: Gerritsen,Mary E.
APPLICANT: Goddard,Audrey
APPLICANT: Godowski,Paul J.
APPLICANT: Grimaldi,Christopher C.
APPLICANT: Gurney,Austin L.
APPLICANT: Watanabe,Colin K.
APPLICANT: Wood,William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2230R1C:
CURRENT APPLICATION NUMBER: US/10/063,685
CURRENT FILING DATE: 2002-05-08
          Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 170
SEQ ID NO 169
LENGTH: 43
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-063-685-169

Query Match   100.0%; Score 53; DB 12; Length 43;
Best Local Similarity 19.0%; Pred. No. 2.9e+02;
Matches   4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
         |::|:::::::::::::|:::|
Db   11 CGGCCAGTAAATAGACCTGC 3:

RESULT 15
US-10-184-644-611
Sequence 611, Application US/10184644
Publication No. US20030044930A1
GENERAL INFORMATION:
APPLICANT: Baker,Kevin P.
APPLICANT: Chen,Jian
APPLICANT: Desnoyers,Luc
APPLICANT: Goddard,Audrey
APPLICANT: Godowski,Paul J.
APPLICANT: Gurney,Austin L.
APPLICANT: Pan,James
APPLICANT: Smith,Victoria
APPLICANT: Watanabe,Colin K.
APPLICANT: Wood,William I.

; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 611
;   LENGTH: 43
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe.
US-10-184-644-611

Query Match   100.0%; Score 53; DB 15; Length: 43;
Best Local Similarity   19.0%; Pred. No. 2.9e+02;
Matches   4; Conservative   17; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
            |::::::::::::::|::::
Db   11 CGGCCAGTTAAATAGACCTGC 31

Search completed: October 27, 2003, 16:12:12
Job time : 46.4419 secs

Copyright   GenCore version 5.1.6
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QY protein - protein search, using sw model

Run on: October 27, 2003, 15:54:41 ; Search time 14.1628 Seconds
                                         (without alignments)
                                         62.737 Million cell updates/sec

Title: US-09-331-631A-38
Perfect score: 53
Sequence: 1 CXXXCXXXXXXXXXXXXXCXXXC 21

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs. 42130858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued_Patents_AA:*
    1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
    2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
    3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
    4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
    5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
    6: /cgn2_6/ptodata/2/iaa/backfiles.pep:*

    Pred. No. is the number of results predicted by chance to have a
-   score greater than or equal to the score of the result being printed,
    and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description		
1	53	100.0	24	1	US-08-036-555B-41	Sequence 41, Appl
2	53	100.0	24	1	US-08-469-569-41	Sequence 41, Appl
3	53	100.0	24	1	US-08-249-322A-41	Sequence 41, Appl
4	53	100.0	24	2	US-08-469-526A-41	Sequence 41, Appl
5	53	100.0	24	2	US-08-734-591A-41	Sequence 41, Appl
6	53	100.0	24	3	US-08-469-660-41	Sequence 41, Appl
7	53	100.0	24	3	US-08-735-021-41	Sequence 41, Appl
8	53	100.0	24	3	US-08-734-664A-41	Sequence 41, Appl
9	53	100.0	24	5	PCT-US94-05083C-41	Sequence 41, Appl
10	53	100.0	24	5	PCT-US95-06846A-41	Sequence 41, Appl
11	53	100.0	24	5	US-08-902-516-47	Sequence 47, Appl
12	53	100.0	38	4	US-09-847-185-47	Sequence 47, Appl
13	53	100.0	38	4	US-07-757-022B-8	Sequence 8, Appli
14	53	100.0	40	4	US-07-757-022B-6	Sequence 6, Appli
15	53	100.0	41	2	US-08-451-947-97	Sequence 97, Appl
16	53	100.0	45	2	US-08-424-826A-97	Sequence 97, Appl
17	53	100.0	45	3	US-08-928-694-97	Sequence 97, Appl
18	53	100.0	45	4	US-08-900-230-12	Sequence 12, Appl
19	53	100.0	45	4	US-08-900-230-14	Sequence 14, Appl
20	53	100.0	45	4	US-08-450-842-97	Sequence 97, Appl
21	53	100.0	45	1	US-08-452-390-97	Sequence 97, Appl
22	53	100.0	45	5	PCT-US91-06950-97	Sequence 93, Appl
23	53	100.0	47	1	US-08-451-947-93	Sequence 93, Appl
24	53	100.0	47	1	US-08-451-947-94	Sequence 94, Appl
25	53	100.0	47	1	US-08-451-947-95	Sequence 95, Appl
26	53	100.0	47	1	US-08-451-947-96	Sequence 96, Appl
27	53	100.0	47	2	US-08-424-826A-93	Sequence 93, Appl

28	53	100.0			US-08-424-826A-94	Sequence 94, Appl
29	53	100.0			US-08-424-826A-95	Sequence 95, Appl
30	53	100.0			US-08-424-826A-96	Sequence 96, Appl
31	53	100.0			US-08-482-005B-91	Sequence 91, Appl
32	53	100.0			US-08-928-694-93	Sequence 93, Appl
33	53	100.0			US-08-928-694-94	Sequence 94, Appl
34	53	100.0			US-08-928-694-95	Sequence 95, Appl
35	53	100.0			US-08-928-694-96	Sequence 96, Appl
36	53	100.0			US-08-450-842-93	Sequence 93, Appl
37	53	100.0			US-08-450-842-94	Sequence 94, Appl
38	53	100.0			US-08-450-842-95	Sequence 95, Appl
39	53	100.0			US-08-450-842-96	Sequence 96, Appl
40	53	100.0			US-08-451-390-93	Sequence 93, Appl
41	53	100.0			US-08-451-390-94	Sequence 94, Appl
42	53	100.0			US-08-451-390-95	Sequence 95, Appl
43	53	100.0			US-08-451-390-96	Sequence 96, Appl
44	53	100.0			PCT-US91-06950-93	Sequence 93, Appl
45	53	100.0			PCT-US91-06950-94	Sequence 94, Appl

ALIGNMENTS

RESULT 1
US-08-036-555B-41

; Sequence 41, Application US/08036555B
; Patent No. 5530109
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
; APPLICANT: Chen, Mario Su; Hiles, Ian
; TITLE OF INVENTION: Glial Mitogenic Factors, Their
; TITLE OF INVENTION: Preparation and Use
; NUMBER OF SEQUENCES: 194
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10022
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/036,555B
;   FILING DATE: 24-MAR-1993
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/965,173
;   FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/940,389
;   FILING DATE: 03-SEP-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/907,138
;   FILING DATE: 30-JUN-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/863,703
;   FILING DATE: 03-APRIL-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: U.K. 91 07566.3
;   FILING DATE: 10-APRIL-1991
; ATTORNEY/AGENT INFORMATION:
;   NAME: Tsai, Christine H.
;   REGISTRATION NUMBER: 34,266
;   REFERENCE/DOCKET NUMBER: LJD 5250.4
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 688-9200
;   TELEFAX: (212) 838-3384
; INFORMATION FOR SEQ ID NO: 41:

SEQUENCE CHARACTERISTICS:
;   LENGTH: 24
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear
US-08-036-555B-41

Query Match   100.0%; Score 53; DB 1; Length 24;
Best Local Similarity   19.0%; Pred. No. 78;
Matches   4; Conservative   17; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 21
          |:::|:|:::::|:|:::::|::|
Db   4 CGCTCCTTCTTCTTGCCCTTC 24

RESULT 2
US-08-469-569-41
; Sequence 41, Application US/08469569
; Patent No. 5606032
; GENERAL INFORMATION:
;   APPLICANT: Godearl, Andrew; Stroobant, Paul;
;   APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
;   APPLICANT: Chen, Maio Su; Hiles, Ian
;   TITLE OF INVENTION: Glial Mitogenic Factors, Their
;   TITLE OF INVENTION: Preparation and Use
;   NUMBER OF SEQUENCES: 184
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10022
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/469,569
;   FILING DATE: 06-JUN-1995
;   CLASSIFICATION: 530
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/036,555
;   FILING DATE: 24-MAR-1993
;   APPLICATION NUMBER: 07/965,173
;   FILING DATE: 23-OCT-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/940,389
;   FILING DATE: 03-SEP-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/907,138
;   FILING DATE: 30-JUN-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/863,703
;   FILING DATE: 03-APRIL-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: U.K. 92 07566.3
;   FILING DATE: 10-APRIL-1991
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Tsai, Christine H.
;   REGISTRATION NUMBER: 34,266
;   REFERENCE/DOCKET NUMBER: LUD 5250.4
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 688-9200
;   TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 41:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 24
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear

US-08-469-569-41

Query Match   100.0%; Score 53; DB 1; Length 24;
Best Local Similarity   19.0%; Pred. No. 78;
Matches   4; Conservative   17; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXXCXXXC 21
          |:::|:|:::::|:|:::::|::|
Db   4 CGCTCCTTCTTCTTGCCCTTC 24

RESULT 3
US-08-249-322A-41
; Sequence 41, Application US/08249322A
; Patent No. 5716930
; GENERAL INFORMATION:
;   APPLICANT: Godearl, Andrew; Stroobant, Paul;
;   APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
;   APPLICANT: Chen, Maio Su; Hiles, Iar
;   TITLE OF INVENTION: Glial Mitogenic Factors, Their
;   TITLE OF INVENTION: Preparation and Use
;   NUMBER OF SEQUENCES: 184
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10022
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/249,322A
;   FILING DATE: 26-MAY-1994
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/036,555
;   FILING DATE: 24-MAR-1993
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/965,173
;   FILING DATE: 23-OCT-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/940,389
;   FILING DATE: 03-SEP-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/907,138
;   FILING DATE: 30-JUN-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/863,703
;   FILING DATE: 03-APRIL-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: U.K. 92 07566.3
;   FILING DATE: 10-APRIL-1991
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Tsai, Christine H
;   REGISTRATION NUMBER: 34,266
;   REFERENCE/DOCKET NUMBER: LUD 250.4
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 688-9200
;   TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 41:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 24
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear
US-08-249-322A-41

Query Match   100.0%; Score 53; DB 1; Length 24;
Best Local Similarity   19.0%; Pred. No. 78;

Matches   4;   Conservative   17;   Mismatches   0;   Indels   0;   Gaps   0;

Qy   1   CXXXCXXXXXXXXXXCXXXC   21
              |::|:::||::|:::||::|
Db   4   CGCTCCTCCTCTCTTGCCCTTC   24

RESULT 4
US-08-469-526A-41
; Sequence 41, Application US/08469526A
; Patent No. 5792849
; GENERAL INFORMATION:
;   APPLICANT: Goodearl, Andrew
;   APPLICANT: Strobant, Paul
;   APPLICANT: Minghetti, Luisa
;   APPLICANT: Waterfield, Michael
;   APPLICANT: Marchionni, Mark
;   APPLICANT: Chen, Maio Su
;   APPLICANT: Hiles, Ian
;   TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
;   TITLE OF INVENTION: PREPARATION AND USE
;   NUMBER OF SEQUENCES: 187
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Clark & Elbing LLP
;   STREET: 176 Federal Street
;   CITY: Boston
;   STATE: MA
;   COUNTRY: USA
;   ZIP: 02110
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: DOS
;   SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/469,526A
;   FILING DATE: 06 June 1995
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/036,555
;   FILING DATE: 24-MAR-1993
;   APPLICATION NUMBER: 07/965,173
;   FILING DATE: 23-OCT-1992
;   APPLICATION NUMBER: 07/940,389
;   FILING DATE: 03-SEP-1992
;   APPLICATION NUMBER: 07/907,138
;   FILING DATE: 03-JUN-1992
;   APPLICATION NUMBER: 07/863,703
;   FILING DATE: 03-APRIL-1992
;   APPLICATION NUMBER: U.K. 91 07566.3
;   FILING DATE: 10-APR-1991
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Bieker-Brady, Kristina
;   REGISTRATION NUMBER: 39,109
;   REFERENCE/DOCKET NUMBER: 04585/002003A
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617-428-0200
;   TELEFAX: 617-428-7045
; INFORMATION FOR SEQ ID NO: 41:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 24
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
US-08-469-526A-41

Query Match   100.0%;   Score 53;   DB 1;   Length 24;
Best Local Similarity   19.0%;   Pred. No. 78;
Matches   4;   Conservative   17;   Mismatches   17;   Indels   0;   Gaps   0;

Qy   1   CXXXCXXXXXXXXXXCXXXC   21
              |::|:::||::|:::||::|
Db   4   CGCTCCTCCTCTCTTGCCCTTC   24

RESULT 5
US-08-734-591A-41
; Sequence 41, Application US/08734591A
; Patent No. 5854220
; GENERAL INFORMATION:
;   APPLICANT: Goodearl, Andrew
;   APPLICANT: Stroobant, Paul
;   APPLICANT: Minghetti, Luisa
;   APPLICANT: Waterfield, Michael
;   APPLICANT: Hiles, Ian
;   APPLICANT: Marchionni, Mark
;   APPLICANT: Cher, Maio
;   TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
;   TITLE OF INVENTION: PREPARATION AND USE
;   NUMBER OF SEQUENCES: 187
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Clark & Elbing LLP
;   STREET: 176 Federal Street
;   CITY: Boston
;   STATE: Massachusetts
;   COUNTRY: U.S.A.
;   ZIP: 02110
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;   COMPUTER: IBM Compatible Pentium
;   OPERATING SYSTEM: Windows95
;   SOFTWARE: WordPerfect (Version 7.0)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/734,591A
;   FILING DATE: 22-OCT-1996
;   CLASSIFICATION: 536
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/470,335
;   FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/036,555
;   FILING DATE: 03-MAR-1993
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/965,173
;   FILING DATE: 23-OCT-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/940,389
;   FILING DATE: 03-SEP-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/907,138
;   FILING DATE: 30-JUN-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/863,703
;   FILING DATE: 03-APR-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: UK 91 07566.3
;   FILING DATE: 10-APR-1991
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Bieker-Brady, Kristina
;   REGISTRATION NUMBER: 39,109
;   REFERENCE/DOCKET NUMBER: 04585/002003P
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617) 428-0200
;   TELEFAX: (617) 428-7045
;   TELEX:
; INFORMATION FOR SEQ ID NO: 41:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 24
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear
US-08-734-591A-41

Query Match   100.0%;   Score 53;   DB 2;   Length 24;
Best Local Similarity   19.0%;   Pred. No. 78;
Matches   4;   Conservative   17;   Mismatches   17;   Indels   0;   Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 21
               |::|:::|::|::||::||:|
Db   4 CGCTCCTCCTTCTTCTTGCCCTTC 24

RESULT 6
US-08-469-660-41
; Sequence 41, Application US/08469660
; Patent No. 5876973
; GENERAL INFORMATION:
; APPLICANT: Gwynne, David J.; Marchionni, Mark;
; APPLICANT: McBurney, Robert N.
; TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION,
; TITLE OF INVENTION: THEIR PREPARATION AND USE
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson
;   STREET: 225 Franklin Street
;   CITY: Boston
;   STATE: Massachusetts
;   ZIP: 021-2804
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/469,660
;   FILING DATE:
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/011,396
;   FILING DATE: 29-JAN-1993
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/994,085
;   FILING DATE: 01-DEC-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/951,747
;   FILING DATE: 25-SEP-1992
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/927,337
;   FILING DATE: 10-AUG-1992
; ATTORNEY/AGENT INFORMATION:
;   NAME: Clark, Paul T.
;   REGISTRATION NUMBER: 30,162
;   REFERENCE/DOCKET NUMBER: C4585/017004
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617) 542-5070
;   TELEFAX: 200154
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 24
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear
US-08-469-660-41

Query Match   100.0%; Score 53; DB 2; Length 24;
Best Local Similarity   19.0%; Pred. No. 78;
Matches   4; Conservative   17; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 21
               |::|:::|::|::||::||:|
Db   4 CGCTCCTCCTTCTTCTTGCCCTTC 24

RESULT 7
US-08-735-021-41
; Sequence 41, Application US/08735021B
; Patent No. 6194377
; GENERAL INFORMATION:
; APPLICANT: GOODEARL, ANDREW

APPLICANT: STROOBANT, PAUL
APPLICANT: MINGHETTI, LUISA
APPLICANT: WATERFIELD, MICHAEL
APPLICANT: MARCHIONNI, MARK
APPLICANT: CHEN, MARIO S.
APPLICANT: HILES, IAN
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
TITLE OF INVENTION: PREPARATION AND USE
FILE REFERENCE: 04585/00200L
CURRENT APPLICATION NUMBER: US/08/735,021B
CURRENT FILING DATE: 1996-10-22
EARLIER APPLICATION NUMBER: 08/472,065
EARLIER FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/036,555
EARLIER FILING DATE: 1993-03-24
EARLIER APPLICATION NUMBER: 07/965,173
EARLIER FILING DATE: 1992-10-23
EARLIER APPLICATION NUMBER: 07/940,389
EARLIER FILING DATE: 1992-09-03
EARLIER APPLICATION NUMBER: 07/907,138
EARLIER FILING DATE: 1992-06-30
EARLIER APPLICATION NUMBER: 07/863,703
EARLIER FILING DATE: 1992-04-03
NUMBER OF SEQ ID NOS: 192
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4:
  LENGTH: 24
  TYPE: PRT
  ORGANISM: Bos taurus
US-08-735-021-41

Query Match   100.0%; Score 53; DB 3; Length 24;
Best Local Similarity   19.0%; Pred. No. 78;
Matches   4; Conservative   17; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXXXCXXXC 21
               |::|:::|::|::||::||:|
Db   4 CGCTCCTCCTTCTTCTTGCCCTTC 24

RESULT 8
US-08-734-664A-41
; Sequence 41, Application US/08734664A
; Patent No. 6204241
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew
; APPLICANT: Stroobant, Paul
; APPLICANT: Minghetti, Luisa
; APPLICANT: Waterfield, Michael
; APPLICANT: Marchionni, Mark
; APPLICANT: Chen, Mario
; APPLICANT: Hiles, Ian
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; TITLE OF INVENTION: PREPARATION AND USE
; NUMBER OF SEQUENCES: 187
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Clark & Elbing LLP
;   STREET: 176 Federal Street
;   CITY: Boston
;   STATE: Massachusetts
;   COUNTRY: U.S.A.
;   ZIP: 02110
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;   COMPUTER: IBM Compatible Pentium
;   OPERATING SYSTEM: Windows95
;   SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/734,664A
;   FILING DATE: 22-OCT-1996
;   CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/249,322

FILING DATE: 26-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 91 07566.3
FILING DATE: 10-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bieker-Brady, Kristina
REGISTRATION NUMBER: 39,109
REFERENCE/DOCKET NUMBER: 04585/0020CJ
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 428-0200
TELEFAX: (617) 428-7045
TELEX:
US-08-734-664A-41
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

Query Match   100.0%; Score 53; DB 3; Length 24;
Best Local Similarity 19.0%; Pred. No. 78;
Matches   4; Conservative 17; Mismatches 17; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXCXXXC 21
Db   4 CGTCCTTCTTCTTGCCCTTC 24

RESULT 9
PCT-US94-05083C-41
Sequence 41, Application PCT/US94/05083C
GENERAL INFORMATION:
APPLICANT: Robert Sklar, Mark Marchionni,
APPLICANT: David I. Gwynne
TITLE OF INVENTION: METHODS FOR ALTERING
TITLE OF INVENTION: MUSCLE CONDITION
NUMBER OF SEQUENCES: 185
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360
MEDIUM TYPE: Kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05083C
FILING DATE: 06-MAY-94
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/209,204
FILING DATE: 08-MAR-94
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/059,022
FILING DATE: 06-May-93
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 04585/028WC1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
PCT-US94-05083C-41

Query Match   100.0%; Score 53; DB 5; Length 24;
Best Local Similarity 19.0%; Pred. No. 78;
Matches   4; Conservative 17; Mismatches 17; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXCXXXC 21
Db   4 CGTCCTTCTTCTTGCCCTTC 24

RESULT 10
PCT-US95-06846A-41
Sequence 41, Application PCT/US9506846A
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew David; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 178
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06846A
FILING DATE: 25-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/249,322
FILING DATE: 26-MAY-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3

```
    FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
    NAME: Hanson, Norman D.
    REGISTRATION NUMBER: 30,946
    REFERENCE/DOCKET NUMBER: LUD 5250.5
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: (212) 688-9200
        TELEFAX: (212) 838-8884
INFORMATION FOR SEQ ID NO: 41:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 24
        TYPE: amino acid
        STRANDEDNESS:
        TOPOLOGY: linear
PCT-US95-06846A-41:

Query Match        100.0%;  Score 53;  DB 5;  Length 24;
Best Local Similarity  19.0%;  Pred No. 78;
Matches    4;  Conservative  17;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 CXXXCXXXXXXXXXXXXC 2:
          |:::|:::::::::|:::|
Db     4 CGCTCCTTCTTCTTGCCCTTC 24

RESULT 11
US-08-902-516-47
; Sequence 47, Application US/08902516
; Patent No. 5891432
GENERAL INFORMATION:
    APPLICANT: Soo Hoo, William
    TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
    TITLE OF INVENTION: COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
    TITLE OF INVENTION: RESPONSE USING SAME
    NUMBER OF SEQUENCES: 50
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: CAMPBELL & FLORES, LLP
        STREET: 4370 La Jolla Village Drive, Suite 700
        CITY: San Diego
        STATE: California
        COUNTRY: United States
        ZIP: 92121
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/08/902,516
        FILING DATE: 29-JUL-1997
        CLASSIFICATION: 424
    ATTORNEY/AGENT INFORMATION:
        NAME: Campbell, Cathryn A.
        REGISTRATION NUMBER: 31,815
        REFERENCE/DOCKET NUMBER: P-IM 2442
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: (619)535-9001
        TELEFAX: (619)535-8949
INFORMATION FOR SEQ ID NO: 47:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 38 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: peptide
US-08-902-516-47

Query Match        100.0%;  Score 53;  DB 2;  Length 38;
Best Local Similarity  19.0%;  Pred No. 1.2e+02;
Matches    4;  Conservative  17;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 CXXXCXXXXXXXXXXXXC 21
          |:::|:::::::::|:::|
Db    12 CTAGCACCCACCCGCTCACCC 32
```

```
RESULT 12
US-09-847-185-47
; Sequence 47, Application US/09847185
; Patent No. 6482407
GENERAL INFORMATION:
    APPLICANT: Soo Hoo, William
    TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
                       COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
                       RESPONSE USING SAME
    NUMBER OF SEQUENCES: 50
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: CAMPBELL & FLORES, LLP
        STREET: 4370 La Jolla Village Drive, Suite 700
        CITY: San Diego
        STATE: California
        COUNTRY: United States
        ZIP: 92121
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/09/847,185
        FILING DATE: 01-May-2001
        CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER: 09/201,931
        FILING DATE: <Unknown>
    ATTORNEY/AGENT INFORMATION:
        NAME: Campbell, Cathryn A.
        REGISTRATION NUMBER: 31,815
        REFERENCE/DOCKET NUMBER: P-IM 2442
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: (619)535-9001
        TELEFAX: (619)535-8949
INFORMATION FOR SEQ ID NO: 47:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 38 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
    MOLECULE TYPE: peptide
    SEQUENCE DESCRIPTION: SEQ ID NO: 47:
US-09-847-185-47

Query Match        100.0%;  Score 53;  DB 4;  Length 38;
Best Local Similarity  19.0%;  Pred No. 1.2e+02;
Matches    4;  Conservative  17;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 CXXXCXXXXXXXXXXXXC 2:
          |:::|:::::::::|:::|
Db    12 CTAGCACCCACCCGCTCACCC 32

RESULT 13
US-07-757-022B-8
; Sequence 8, Application US/07757022B
; Patent No. 6433142
GENERAL INFORMATION:
    APPLICANT: Gesner, Thomas G.
    APPLICANT: Clark, Stephen C.
    APPLICANT: Turner, Katherine
    APPLICANT: Hewick, Rodney M.
    TITLE OF INVENTION: Megakaryocyte Stimulating Factors
    NUMBER OF SEQUENCES: 143
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Genetics Institute, Inc.
        STREET: 87 CambridgePark Drive
        CITY: Cambridge
        STATE: Massachusetts
        COUNTRY: U.S.A.
```

ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/757,022B
FILING DATE: 19910910
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,502
FILING DATE: 18-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: GI 5190
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
TELEFAX: (617)876-5851
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-757-022B-8

Query Match   100.0%; Score 53; DB 4; Length 40;
Best Local Similarity   19.0%; Pred. No. 1.2e-02;
Matches   4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
Db   4 CKGRCFESFERGRECDCDAQC 24

RESULT 14
US-07-757-022B-6
Sequence 6, Application US/07757022B
Patent No. 6433142
GENERAL INFORMATION:
APPLICANT: Gesner, Thomas G.
APPLICANT: Clark, Stephen C.
APPLICANT: Turner, Katherine
APPLICANT: Hewick, Rodney M.
TITLE OF INVENTION: Megakaryocyte Stimulating Factors
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/757,022B
FILING DATE: 19910910
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,502
FILING DATE: 18-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: GI 5190
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
TELEFAX: (617)876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-757-022B-6

Query Match   100.0%; Score 53; DB 4; Length 41;
Best Local Similarity   19.0%; Pred. No. 1.3e-02;
Matches   4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CXXXCXXXXXXXXXXCXXXC 21
Db   5 CAGRCGEGYSRDATCNCDYNC 25

RESULT 15
US-08-451-947-97
Sequence 97, Application US/08451947
Patent No. 5702906
GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
APPLICANT: ROSENTHAL, ARNON
TITLE OF INVENTION: NOVEL NEUROTROPHIC FACTOR
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/451,947
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/426419
FILING DATE: 19-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/030013
FILING DATE: 22-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/644482
FILING DATE: 31-JAN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/587707
FILING DATE: 1991

ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: 666P2CID2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8674
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 97:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-451-947-97

Query Match   100.0%; Score 53; DB 1; Length 45;
Best Local Similarity 19.0%; Pred. No. 1.4e+02;
Matches   4; Conservative 17; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CXXXCXXXXXXXXXCXXXC 21
           :::|||:::::::::|:::
Db   29 CACACGCAGGAAGTATCTATC 40

Search completed: October 27, 2003, 16:04:00
Job time : 15.1628 secs

```
> o <
o. |o    IntelliGenetics
> o <

Quest - Quick User-directed Expression Search Tool
Release 5.4

          -- Outline of search "cys-iss" --

Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "new.key":
cys (AA) ID  cys AA preliminary pattern
    1    followed by
    2
    2         any character except  c
    2         any character except  c
    2         any character except  c
    2    c
    2         any character except  c from 1i to 12 times
    2    c
    2         any character except  c
    2         any character except  c
    2         any character except  c
    2    c

Selected data banks and files:

   Data bank : Issued_AA , all entries

          -- Output Parameters --

Format Options:                   File Options:
Nucleic acid code matching   Exact      Indirect file          No
Find non-matching hits only  No         Sequence or key file   No
Report key used              Yes        List of hits           Yes
Note position of hit         Yes        Hit display            Yes
Display full annotations     Yes        Name and annotations   Yes
Sequence context             10

          -- Run Parameters --

Run mode                     Batch
Time to start comparison     now
Notify at end of run         No

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1 match found in sequence:
US-07-626-618A-17 ; Sequence 17, Application US/07626618A
(from "/srch/iaa/5A_COMB.pep")
Sequence 17, Application US/07626618A
Patent No.(6422265)
GENERAL INFORMATION:
   APPLICANT: Van Tol, Hubert H.M.
   APPLICANT: Civelli, Olivier
   TITLE OF INVENTION: A No. 542226Sel Human Dopamine Receptor and Uses
   NUMBER OF SEQUENCES: 22
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Allegretti & Witcoff, Ltd.
      STREET: 10 South Wacker Drive, Suite 3000
      CITY: Chicago
      STATE: Illinois
      COUNTRY: USA
      ZIP: 60606
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/07/626,618A
      FILING DATE: 7 DEC 1990
```

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   CLASSIFICATION: 435
   ATTORNEY/AGENT INFORMATION:
      NAME: No.542226Snan, Kevin E
      REGISTRATION NUMBER: 35,303
      REFERENCE/DOCKET NUMBER: 90,1092
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: 312-715-1000
      TELEFAX: 312-715-1234
      TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 17:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 387 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
   MOLECULE TYPE:  protein
   HYPOTHETICAL:  NO
Found using 'cys' (new.key)

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248     PPAPRLPQDPCGPDCAPPAFGLPPDPCGSNCAPPDAVPAAAA
                     |-------------------|
                     258                 278

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1 match found in sequence:
US-08-086-439C-3 ; Sequence 3, Application US/08086439C
(from "/srch/iaa/5A_COMB.pep")
Sequence 3, Application US/08086439C
Patent No.5468615
GENERAL INFORMATION:
   APPLICANT: Chio, Christopher L.
   APPLICANT: Huff, Rita M.
   TITLE OF INVENTION: A Synthetic Gene for D4 Dopamine
   TITLE OF INVENTION: Receptors
   NUMBER OF SEQUENCES: 9
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: The Upjohn Company, Corp. Intellectual
      ADDRESSEE: Property Law
      STREET: 301 Henrietta Street
      CITY: Kalamazoo
      STATE: Michigan
      COUNTRY: USA
      ZIP: 49001
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/086,439C
      FILING DATE:
      CLASSIFICATION: 435
   ATTORNEY/AGENT INFORMATION:
      NAME: Darnley Jr., James D.
      REGISTRATION NUMBER: 33,673
      REFERENCE/DOCKET NUMBER: 4700
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: 616-385-5210
      TELEFAX: 616-385-6897
      TELEX: 224401
INFORMATION FOR SEQ ID NO: 3:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 387 amino acids
      TYPE: amino acid
      STRANDEDNESS: single
      TOPOLOGY: linear
   MOLECULE TYPE: peptide
Found using 'cys' (new.key)

...
```

```
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
  ADDRESSEE: Allegretti & Witcoff, Ltd.
  STREET: 10 South Wacker Drive, Suite 3000
  CITY: Chicago
  STATE: Illinois
  COUNTRY: USA
  ZIP: 60606
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/056,051
  FILING DATE: 19930429
  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
  NAME: No. 5516683nan, Kevin E
  REGISTRATION NUMBER: 35,303
  REFERENCE/DOCKET NUMBER: 90,1092-C
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 312-715-1000
  TELEFAX: 312-715-1234
  TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
  LENGTH: 387 amino acids
  TYPE: AMINO ACID
  TOPOLOGY: linear
MOLECULE TYPE: protein
Found using 'cys' (new.key)

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248      PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                                               278
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                   258

...

3 matches found in sequence:
US-08-056-051-4 ; Sequence 4, Application US/08056051
(from "/srch/iaa/5A_COMB.pep")
Sequence 4, Application US/08056051
Patent No. 5516683
GENERAL INFORMATION:
  APPLICANT: Grandy, David K
  APPLICANT: Bunzow, James R
  APPLICANT: Civelli, Olivier
  APPLICANT: Van Tol, Hubert H.-M.
TITLE OF INVENTION: A No. 5516683el Human Dopamine Receptor and Uses
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
  ADDRESSEE: Allegretti & Witcoff, Ltd.
  STREET: 10 South Wacker Drive, Suite 3000
  CITY: Chicago
  STATE: Illinois
  COUNTRY: USA
  ZIP: 60606
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/056,051
  FILING DATE: 19930429
  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
  NAME: No. 5516683nan. Kevin E
```

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248      PPAPRLPQDPCGPDCAPPAPGLPPDPCGSNCAPPDAVRAAA
                                               278
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                    258

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1 match found in sequence:
US-08-103-739B-2 ; Sequence 2, Application US/08103739B
(from "/srch/iaa/5A_COMB.pep")
Sequence 2, Application US/08103739B
Patent No. 5478369
GENERAL INFORMATION:
  APPLICANT: ALBERTSEN, Marc C.
  APPLICANT: BEACH, Larry R.
  APPLICANT: HOWARD, John A.
  APPLICANT: HUFFMAN, Gary A.
TITLE OF INVENTION: DNA Sequences Mediating Male Fertility
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
  ADDRESSE: Pioneer Hi-Bred International, Inc.
  STREET: 700 Capital Square, 400 Locust Street
  CITY: Des Moines
  STATE: Iowa
  COUNTRY: U.S.
  ZIP: 50309
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/103,739B
  FILING DATE: 02-AUG-1993
  CLASSIFICATION: 800
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 07/537,183
  FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
  NAME: Sweeney, Patricia A.
  REGISTRATION NUMBER: 32,733
  REFERENCE/DOCKET NUMBER: 0125R2
TELECOMMUNICATION INFORMATION:
  TELEPHONE: (515) 248 4897
  TELEFAX: (515) 248-4884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
  LENGTH: 473 amino acids
  TYPE: amino acid
  TOPOLOGY: linear
Found using 'cys' (new.key)

...

420      EDXPXSMLFQCLLCVRLXMSNAVTGCNLVCVWQ:GIIMDR
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                     430

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1 match found in sequence:
US-08-056-051-2 ; Sequence 2, Application US/08056051
(from "/srch/iaa/5A_COMB.pep")
Sequence 2, Application US/08056051
Patent No. 5516683
GENERAL INFORMATION:
  APPLICANT: Grandy, David K
  APPLICANT: Bunzow, James R
  APPLICANT: Civelli, Olivier
  APPLICANT: Van Tol, Hubert H.-M.
```